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WASHINGTON, D. C. JULY, 1923

AGRICULTURAL COOPERATION

A SELECTED AND ANNOTATED READING LIST

WITH SPECIAL REFERENCE TO
PURCHASING, MARKETING, AND CREDIT

INCLUDING ONLY WORKS PRINTED IN ENGLISH, AND
EXCLUSIVE OF PERIODICAL REFERENCES EXCEPT REPRINTS
AND PROCEEDINGS OF ASSOCIATIONS

Compiled by
CHASTINA GARDNER
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WASHINGTON
GOVERNMENT PRINTING OFFICE
1923

AGRICULTURAL COOPERATION:

A SELECTED AND ANNOTATED READING LIST.

Compiled by CHASTINA GARDNER, *Junior Assistant in Market Information.*

Keen and widespread interest in agricultural cooperation has created a demand for information regarding the available literature on this subject. To meet this demand the following bibliography has been compiled.

Adams, Arthur Barto, Oklahoma City, Okla. *b.* 1887. Assistant professor of economics, Univers ty of Oklahoma, 1913– . Act'ng professor of history and economics, Central College, Fayette, Mo., 1912–13; fellow in economics, Columbia University, 1915–16.

Marketing perishable farm products. New York. Columbia Univ. Studies in history, economics, and public law. No. 3. 1916. 180 pp.

This analysis is limited to the marketing of perishable farm products by the middleman system and shows how the system developed to meet the needs of the market. The insistent demand for reduced margins between farm prices and consumers' prices is discussed. Several programs of reform are considered and suggestions are made for more efficient methods, some of which have been adopted since this study was made.

Adams, Edward Francis, San Francisco, Calif. *b.* 1839. Editorial writer, San Francisco Chronicle, on economic, financial, and agricultural topics. *Author:* Critique of soc alism, 1905; Inhumanity of socialism, 1913.

The modern farmer in his business relations. San Francisco. N. J. Stone Co. 1889. 662 pp.

One section of this study, pp. 202–284, is devoted to the subject "The farmer as a cooperator," while another section, pp. 434–517, relates the early history and difficulties of "The cooperative fruit-marketing societies of California." The chief value of the book is probably its historical interest.

Agricultural Organisation Society.

Reports, 1902–1921. London. The Stepney Press.

The activities of the cooperative agricultural enterprises of England and Wales, from 1902 to 1921, including productive, purchasing, marketing, credit, and insurance societies, are summarized in these reports.

Aiken, David Wyatt. *b.* 1828; *d.* 1887. Member from South Carolina, 45th to 49th Congresses; master South Carolina State Grange two years; member executive committee National Grange six years.

The Grange: Its origin, progress, and educational purposes. U. S. Dept. Agr., Special report 55. 1883. 18 pp.

An address read before a convention called by the Commissioner of Agriculture, January 23, 1883, to consider the subject of agricultural education. The history of the order is sketched, its lofty purposes are outlined, and the significance of the various degrees explained.

American Commission to Investigate and Study Agricultural Credit and Cooperation.

Agricultural cooperation and rural credit in Europe. Report of the American Commission. In three parts. U. S. Congress, 63d Cong., 1st sess. Senate Doc. 214. 1913–14.

Part I. Information and evidence. The scope of the work of the American Commission and its plan of organization are outlined. A map shows the itineraries of the committees and subcommittees through Europe. The masses of information gathered in each country at the "Juries of inquiry," at conferences, and in other ways, are presented in a comprehensive manner, making them available for ready reference. 916 pp.

Part II. Bibliography. A list of the material collected by the American Commission, grouped by countries under five general headings. 79 pp.

Part III. American evidence. At the request of the American Commission the governor of each State appointed a committee of three to report on the agricultural needs of the State. The reports of these committees are here presented. 95 pp.

Agricultural cooperation and rural credit in Europe. Report of the American Commission. U. S. Congress, 63d Cong., 2d sess. Senate Doc. 261. 1914.

Part I. Observations. This is a report of the majority, summarizing the detailed report contained in Senate Doc. 214. 29 pp.

Part II. Observations and recommendations. A report of the minority. 15 pp.

Special report of the New York State delegates. Albany. New York State Dept. Agr. Bul. 56. 1914. 299 pp., illus.

The New York State delegates of the American Commission gave particular attention to studying marketing and distribution of farm products, in an effort to ascertain the relationship between agricultural conditions in Europe and New York State, how and to what extent European countries have improved conditions in regard to production and marketing, and to determine the applicability of their solutions to New York problems.

American Cooperative Convention.

Report of proceedings of First American Cooperative Convention. New York. Cooperative League of America. 1919. 264 pp.

This meeting, held in Springfield, Ill., September 25–27, 1918, under the auspices of the Coperative League of America, was made up largely of delegates from consumers' societies of the United States and Canada. Matters of practice and policy were discussed. Several of the addresses deal with agricultural cooperation and marketing.

American Cooperative Journal. Chicago, Ill. American Cooperative Publishing Co. Millard R. Myers, editor in chief.

Published monthly in the interests of the farmers' elevators of the country. Marketing, farming, and community development are given attention.

American Cooperative Manager. Chicago, Ill. American Cooperative Publishing Co. Millard R. Myers, editor in chief.

Published twice a month in the interests of managers of farmers' cooperative companies and other cooperative concerns. General and trade news are included.

American Cotton Association. Committee on Cooperative Marketing.

Report of the committee on cooperative marketing of the American Cotton Association. 1920. 80 pp.

The permanent committee on cooperative marketing appointed at the first annual convention of the American Cotton Association, April, 1920, reviews in this report the present deplorable marketing conditions, and suggests remedial steps, covering production, warehousing, and organization of marketing associations.

American Farm Bureau Federation Weekly News Letter. Chicago, Ill.

Published weekly. "An official review of the activities of the American Farm Bureau Federation." 4 pp.

Atkeson, Thomas Clark, Washington, D. C. *b.* 1852. Washington representative of the National Grange; lawyer; professor of agriculture, West Virginia University, 1891–1893; president Barboursville College, 1892; master West Virginia State Grange. *Author:* A catechism of agriculture, 1913; articles and bulletins.

Semicentennial history of the Patrons of Husbandry. New York. Orange Judd Co. 1916. 364 pp., illus.

A detailed history of the order from its inception is given, together with an account of the principles for which it has stood, its achievements during the first 50 years, and the influence it is still exerting. Numerous excerpts from speeches, resolutions, and documents are included, also biographical sketches of the founders and some of the officers who helped to make the Grange a factor in the life of the country. Many personal anecdotes add to the interest.

Austin, Charles Burgess, and George S. Wehrwein. *See also* Wehrwein, G. S. In 1913 Mr. Austin was head of the division of public welfare, department of extension, University of Texas; member of the American Commission to Study and Investigate Rural Credits and Cooperation, 1913. *Author:* Summary of labor laws in force, 1909; Studies of farm tenancy in Texas, 1915

Cooperation in agriculture, marketing, and rural credit. Austin. Univ. of Tex. Bul., General series, 355. 1914. 100 pp.

A comparison of conditions in European countries with those in the United States, with a statement why cooperation has been difficult in this country. Illustrations are given of different types of farmers' organizations; essential features are outlined; the result of a study of marketing conditions is given by commodities, showing the inadequacy of the system. The final chapter deals with rural credit.

Bailey, Liberty Hyde (Editor), Ithaca, N. Y. *b.* 1858. Dean college of agriculture, Cornell University, 1903–1913; chairman Roosevelt Country Life Commission, 1908. *Author*: Botany, an elementary text for schools (12th ed.), 1907; Principles of agriculture (26th ed.), 1919; The State and the farmer, 1911; The country life movement, 1911; The holy earth, 1917, etc. *Editor*: Standard cyclopedia of horticulture, 1914–1917; Rural science series; Rural manual series.

Cyclopedia of American agriculture. New York. Macmillan Co. (4th ed.) 1912. 4 vols., illus.

Vol. IV, Farm and community, contains articles by a number of well-known writers on cooperative marketing and rural credit.

Barrett, Charles Simon, Union City, Ga. *b.* 1866. President, National Farmers' Educational and Cooperative Union since 1906; delegate to Country Life Conference, Spokane, 1911; appointed by President Taft on Commission of Industrial Relations; representative of Farmers' Union and several other national organizations at Peace Conference; delegate to International Institute of Agriculture, Rome. *Editor*: National Field.

The mission, history, and times of the Farmers' Union. Nashville. Marshall & Bruce Co. 1909. 419 pp., illus.

Mr. Barrett reviews the conditions which led to the formation of the organization, sets forth its purposes and aims, and outlines its history and rapid growth in the various States. Many pages are devoted to biographical sketches of individuals who have been prominent in the upbuilding of the Farmers' Union.

Bassett, Charles Elisha, New York City. *b.* 1864. Director of field organization, North American Fruit Exchange, 1919– . Specialist in cooperative organization, U. S. Department of Agriculture, 1914–1919.

Cooperative marketing. Where? When? How? U. S. Dept. Agr. Yearbook. 1917. 11 pp.

As indicated by the title, this article is a guide for those who are considering the organization of a marketing association.

Cooperative purchase of farm supplies, The. U. S. Dept. Agr. Yearbook. 1915. 11 pp., illus.

The objects of cooperative purchasing, the form of organization for a purchasing association, and the manner of transacting business are discussed briefly. Cooperative stores are given separate consideration.

Bassett, Charles Elisha, and Oscar Bernard Jesness. *See* Jesness, Oscar Bernard.

Cooperative organization by-laws. U. S. Dept. Agr. Bul. 541. 1918. 23 pp.

Suggested forms of by-laws for stock and nonstock cooperative marketing associations are given, with practical information regarding organization.

Bassett, Charles Elisha, Clarence Wilkes Moomaw, and William Horace Kerr. *See* Moomaw, Clarence Wilkes; Kerr, William Horace.

Cooperative marketing and financing of marketing associations. U. S. Dept. Agr. Yearbook. 1914. 25 pp.

The necessity for better marketing methods is shown, principles which have been found to be essential in successful cooperative organizations are stated, and methods of financing discussed.

Bemis, Edward Webster, Chicago, Ill. *b.* 1860. Professor of history and political economy. Vanderbilt University, 1889–1892; associate professor of political economy, University of Chicago, 1892–1895; superintendent water department, Cleveland, Ohio, 1901–1909; special investigator public utilities of water, light, street railways, and telephones, New York City; consulting engineer in various cities on public utilities questions. *Author:* Municipal monopolies, 1889; Munical ownership of gas works in the United States, 1891; etc.

Cooperative distribution. U. S. Dept. Labor Bul. 6. 1896. pp. 610–644.

A study of the cooperative societies of the United States, with special analysis of the cooperative stores as to type of organizations, methods and amounts of business, success or failure, and other factors of interest.

Cooperation in the middle States. *In* History of cooperation in the United States. Baltimore. Johns Hopkins Univ. Studies in historical and political science. Vol. VI. 1888. pp. 137–192.

This paper is similar in form and character to the author's "Cooperation in New England," in the same volume. Different distributive, productive, and profit-sharing enterprises are described and discussed, including the first Rochdale store in America. The importance of the cooperative building associations is shown.

Cooperation in New England. *In* History of cooperation in the United States. Baltimore. Johns Hopkins Univ. Studies in historical and political science. Vol. VI. 1888. pp. 1–133.

A scholarly study of the early efforts at cooperation, which, though largely industrial, influenced the development of the movement. Cooperative banking is shown to have assumed large proportions. The analysis of the reasons for success or failure of various enterprises is of special interest. One chapter is devoted to profit sharing.

Bemis, Edward Webster, Albert Shaw, Amos G. Warner, Charles Howard Shinn, and Daniel Richard Randall. *See also*, Shaw, Albert; Warner, Amos G.; Shinn, Charles Howard; Randall, Daniel Richard.

History of cooperation in the United States. Baltimore. Johns Hopkins Univ. Studies in historical and political science. Vol. VI. 1888. 540 pp.

This history was prepared by five writers, each one taking a certain section of the country and studying the attempts at cooperation of every form in that section from early times up to 1888. The enterprises described include community life, manufacturing, stores, insurance, agriculture, building and loan associations, and other forms of cooperation, with records of success or failure. All five writers agree that "one of the prime conditions of success of cooperation is the moral integrity of the cooperators." The separate studies may be found under the authors' names.

Bexell, John Andrew, and William Horace Kerr. *See also* Kerr, William Horace.

Bexell, John Andrew, Corvallis, Oreg. *b.* 1867. Dean school of commerce, Oregon Agricultural College, since 1908; director, Oregon bureau of statistics; conducted agricultural survey of Oregon, 1912; collaborator, U. S. Bureau of Agricultural Economics. *Author:* Principles of bookkeeping and farm accounts, 1913; bulletins on cooperation.

Business practice and accounts for cooperative stores. U. S. Dept. Agr. Bull. 381. 1916. 32 pp., illus.

"The purpose of this bulletin is to outline a simple and adequate system of records for cooperative retail stores, and to point out such fundamental business methods as must be observed to insure success." Numerous sample forms and many pertinent suggestions are given.

Bexell, John Andrew, Hector Macpherson, and William Horace Kerr. *See also* Macpherson, Hector; Kerr, William Horace.

A survey of typical cooperative stores in the United States. U. S. Dept. Agr. Bul. 394. 1916. 32 pp., illus.

This survey was made for the purpose of securing accurate information regarding the subject of cooperative stores for the guidance of existing stores and of those which may be formed in the future. Sixty stores in 10 States were selected for the study. The results are grouped, tabulated, and discussed, with conclusions and suggestions.

Black, John Donald, and Frank Robotka. *See also* Robotka, Frank.

Black, John Donald, St. Paul, Minn. *b.* 1883. Professor and chief of division of agricultural economics, University of Minnesota. *Author:* with others, bulletins on cooperation.

Farmers' cooperation in Minnesota, 1913–1917. St. Paul. Univ. of Minn. Agr. Exp. Sta. Bul. 184. 1919. 62 pp.

One of a series of bulletins on the subject issued by the division of research in agricultural economics. Statistics of cooperation in the State for 1917 are presented, and at the same time the changes in the movement between 1913 and 1917 are traced. These statistics form the basis for certain conclusions as to the causes for success or failure of various types of associations.

Black, John Donald, Frank Robotka, and Paul L. Miller. *See also* Robotka, Frank; Miller, Paul L.

Local cooperative potato marketing in Minnesota. St. Paul. Univ. of Minn. Bul. 195. 1921. 58 pp.

A study of local potato marketing associations with details regarding their business methods and the results obtained thus far, made for the purpose of giving a clearer understanding of the problems involved in the organization and management of such associations.

Bomberger, Frank Byers, College Park, Md. *b.* 1875. Assistant director agricultural extension service and specialist in rural organization and marketing, Maryland State College of Agriculture.

Marketing farm products in Maryland. College Park. Univ. of Md. Ext. Service Bul. 22. 1920. 57 pp.

The present unsatisfactory marketing conditions and certain general principles which must be observed in any system of marketing farm products are discussed, the progress of cooperation in Maryland is summarized, and a suggested marketing program, as adopted at the annual meeting of the Maryland Agricultural Society, is presented. The appendix includes the results of two surveys by specialists, one a study of methods of marketing perishable farm products of the State, made in 1918, and the other a study of the marketing and distribution of home-grown fruits and vegetables in Baltimore, 1919.

Boyle, James Ernest, Ithaca, N. Y. *b.* 1873. Extension professor, rural economics, Cornell University, 1917– ; field agent in marketing, U. S. Department of Agriculture, 1916–17; State director for North Dakota of National Conference on Marketing and Farm Credits. *Author:* Financial history of Kansas, 1904; Government of North Dakota, 1910.

Agricultural economics. Philadelphia. J. B. Lippincott Co. 1921. 448 pp.

The author states that "this book was not written for the expert or specialist, but for the average student of agricultural problems." It covers a wide range of subjects. Marketing, cooperation, rural credit, and farmers' organizations are among the questions to receive thoughtful analysis. Many eminent authorities are quoted, and lists of questions and references are appended to each chapter. Profusely illustrated.

Brand, Charles John, Washington, D. C. *b.* 1879. Consulting specialist in marketing, U. S. Department of Agriculture, 1922– ; Chief, Bureau of Markets, U. S. Department of Agriculture, 1913–1919; vice president American Fruit Growers' Association, 1919–1922.

Distribution of agricultural products and the functions of produce exchanges. *In* American Problems of Reconstruction. pp. 217–231. New York. E. P. Dutton & Co. 1918.

Mr. Brand, writing as Chief of the Bureau of Markets, U. S. Department of Agriculture, discusses the general problem of distribution, summarizing under seven headings the greatest needs for efficient distribution of farm products in the United States. The types and functions of produce exchanges are outlined, their value shown, and certain changes suggested.

Improved methods of handling and marketing cotton. U. S. Dept. Agr. Yearbook. 1912. 19 pp., illus.

The success of a number of cooperative enterprises undertaken by cotton farmers shows the advantages to be gained by cooperation. Suggestions are made for organization and for better methods of handling the cotton crop.

Brooks, Thomas Joseph, Agricultural College, Miss. *b.* 1870. Professor of markets and rural economics, Mississippi Agricultural College; secretary, Tennessee Farmers' Union, 3 years; national lecturer, Farmers' Union, 8 years; delegate to International Institute of Agriculture, Rome, 1913; State senator, 1911–12. *Author:* March of intellect, 1909.

Markets and rural economics: Science of commerce and distribution. New York. The Shakespeare Press. 1914. 397 pp.

Brooks, Thomas Joseph—Continued.

That our present wasteful system of distribution is due to neglect of institutions of learning to teach the principles of economics as applied to production and distribution is the belief of the author. This textbook is designed to aid our future producers and consumers to a better understanding of these principles and of their practical application to problems of production, marketing, and rural credit.

Bubnoff, J. V., London, England. Manager, London office, Moscow Narodny Bank. *Joint editor:* The Russian Cooperator.

The cooperative movement in Russia: Its history, significance, and character. Manchester. Cooperative Printing Society, Ltd. 1917. 162 pp., illus.

Russia's part in the cooperative movement is both interesting and remarkable. This book tells of its rapid growth under great difficulties, of the vast amount of business conducted by the cooperatives at the time of writing (1917), of the social developments, and of the general effect of the war.

Buck, Solon Justus, Minneapolis, Minn. *b.* 1884. Professor of history, University of Minnesota, 1914– ; superintendent, Minnesota Historical Society, 1914– . *Author:* The agrarian crusade, 1919; Travel and description, 1765–1865, 1914.

The granger movement. Cambridge. Harvard University Press. 1913. 384 pp.

The granger movement is interpreted as the beginning of a new period in American history. Fundamental economic conditions in the different sections of the country following the Civil War are depicted to show the causes which led to the formation of societies of farmers for protection from the oppression of capitalism and monopoly, and for the cooperative transaction of business. The history of this first attempt at agricultural organization on a large scale is traced, showing the significance of a movement for the welfare of the farmers socially, intellectually, economically, and politically, and its lasting influence on the country. A comprehensive bibliography is appended.

Cahill, Joseph Robert. . . .

Agricultural credit and cooperation in Germany. Report to the British Board of Agriculture and Fisheries of an inquiry into agricultural credit and agricultural cooperation in Germany. U. S. Congress, 63d Cong., 1st sess. Senate Doc. 17. 1913. 474 pp.

A full report of an investigation of the organization and working of the systems of credit and cooperation which the German farmers have evolved for their own advantage, presented as a source of information for those interested in building up the social and economic life of Great Britain. Detailed descriptions of typical institutions are included in order to present their outstanding features.

Canadian Cooperator, The. Brantford, Ontario, Canada. George Keen, editor. Published monthly by the Cooperative Union of Canada in the interests of the consumers' cooperative societies of the Dominion.

Cance, Alexander Edmond, Amherst, Mass. *b.* 1874. Professor of agricultural economics. Massachusetts Agricultural College. Member U. S. Commission to Investigate and Study Rural Credits and Agricultural Cooperative Organizations in Europe, 1913. *Author:* Recent immigrants in agriculture, 1911 (2 vols. for U. S. Immigration Commission); The agricultural industry and resources of the United States, 1917.

The farmers' cooperative exchange. Amherst. Mass. Agr. College. Ext. Service. 1914. 34 pp.

Cance, Alexander Edmond—Continued.

The author points out the advantages of cooperation among farmers, the fundamentals of successful organization, difficulties to be avoided, the possible fields for farmers' exchanges in Massachusetts, and the necessary steps to be taken in organizing.

Cance, Alexander Edmond, and Lorian P. Jefferson. *See* Jefferson, Lorian P.

Farmers' cooperative corporations. Montpelier. Bulletin of Vt. Dept. Agr. No. 24. 1915. 48 pp.

Because the problem of sending farm produce to the distant market has become too complicated for the individual producer to deal with, this bulletin was prepared to give the Vermont farmers a better idea of present marketing conditions and the essentials of successful cooperation, with special emphasis upon cooperative creameries. Full information regarding organization is included.

Cape of Good Hope.

Report of superintendent of agricultural cooperation for the year ending 30th April, 1907. Cape Town. Government Printers. 1907. 48 pp.

The business of a wide variety of cooperative associations is summarized; of these the largest number are wool associations, with dairy associations and wineries taking second and third places.

Carver, Thomas Nixon, Cambridge, Mass. *b.* 1865. Professor of political economy, Harvard University, 1900– ; professor of economics, Oberlin College, 1894–1900; director rural organization service, U. S. Department of Agriculture, 1913–14. *Author:* The distribution of wealth, 1904; Essays in social justice, 1915; Principles of national economy, 1921, etc.

Principles of rural economics. Boston. Ginn & Co. 1911. 386 pp.

This discussion of general principles contains much historical matter and many practical suggestions. Pages 275–281 are devoted to rural credits, their use and abuse, with a concise description of the cooperative credit systems of Germany. A bibliography is included.

How to use farm credits. U. S. Dept. Agr. Farmers' Bul. 593. 1914. 14 pp.

A clear analysis of the nature and use of capital, showing when credit is desirable and considering the repayment and duration of the loan, interest rates, and the possibilities of improving credit conditions by cooperative action. Amortization tables are added.

The organization of a rural community. U. S. Dept. Agr. Yearbook. 1914. 58 pp.

A general plan for the comprehensive organization of a whole community is presented. The reasons for and consequences of a lack of organization in the United States are shown and some of the advantages of such cooperation pointed out. The chief business needs and the chief social needs of a community are classified and the work of a committee to deal with each class is outlined. Suggested lists of books for the use of each committee are appended.

The organization of rural interests. U. S. Dept. Agr. Yearbook. 1913. 19 pp.

The causes which led to disorganization in rural life and the efforts at reorganization are sketched; the numbers and locations of the leading types of cooperative enterprises in the United States in 1913 are shown by tables and dot maps. Suggestions are made for the extension of the work of organization.

Chandler, William Henry, Ithaca, N. Y. *b.* 1878. Professor of pomology and vice director of research, college of agriculture, Cornell University, 1913– ; formerly professor, University of Missouri.

Chandler, William Henry—Cont'nued.

Cooperation among fruit growers. Columbia. Univ. of Mo. Agr. Exp. Sta. Bul 97. 1911. 58 pp.

The rapid growth of cooperation among fruit growers in the decade 1901–1911 is noted, 256 such associations being listed by the Missouri experiment station. A number of the larger ones are cited and some details of their business given. Recommendations are made for Missouri associations and the constitutions and by-laws of various associations are appended.

Cheel, Ernest C., Ontario, Calif. *b.* 1879. Connected with cooperative societies in England and the United States since boyhood; six years assistant manager Sittinghouse Cooperative Association; expert accountant; student of social and economic movements.

Cooperative accounting. New York. Cooperative League of America. 1920. 16 pp.

This is a system of bookkeeping for cooperative stores, with sample forms and full explanations.

Cherington, Paul Terry, Cambridge, Mass. *b.* 1876. Secretary-treasurer National Association Wool Manufacturers, 1919– ; instructor, assistant professor, professor of marketing, Graduate School of Business Administration (Harvard), 1902–1919. *Author:* Advertising as a business force, 1912; The Boston market situation, 1915.

The elements of marketing. New York. Macmillan Co. 1920. 238 pp.

Although this volume deals with the marketing of merchandise in general and not specifically with agricultural products, it is an analysis of the principles involved in all marketing, and as such may help the student of cooperation to a clearer understanding of his problems.

Clark, Fred Emerson, Evanston, Ill. Associate professor of economics and marketing, Northwestern University School of Commerce.

Principles of marketing. New York. Macmillan Co. 1922. 570 pp.

The general principles of marketing are analyzed and discussed, with special consideration of the problems of agricultural marketing. One chapter takes up "Distributive cooperation," and another "The elimination of middlemen."

Clark, W. C. . . .

The country elevator in the Canadian west. Kingston. Bul. departments of history and political and economic science in Queen's University. 1916. 35 pp.

This is a history of the grain trade in Canada, showing the development of the present system of marketing with its three big cooperative companies. The author states, "In no other country of the world have the grain growers done so much to solve their own problems as in our Canadian west."

Conference on Marketing and Farm Credits.

Proceedings of first national conference. Chicago. Published by cooperating farm papers. 1913. 232 pp.

This first National Conference on Marketing and Farm Credits, held in Chicago, April 8–10, 1913, was sponsored and financed by the publishers of a number of farm journals, and all persons interested were invited to attend. This report contains the speeches and discussions through which efforts were made to diagnose evils and suggest remedies.

A collection of papers read at the third annual sessions of the National Conference on Marketing and Farm Credits. Chicago, 1915. 531 pp.

This meeting, held in Chicago, November 29–December 2, 1915, was considered an epoch-making conference. Addresses by many speakers are included in the report. The demand for cooperation in the marketing of produce and in the purchase of supplies and the need for credit facilities were voiced throughout the meetings. The problem for consideration was *how* to organize the agriculture of the country.

Conference on Marketing and Farm Credits—Continued.

A collection of papers and documents read at the fourth annual sessions of the National Conference on Marketing and Farm Credits. Chicago, December 4–9, 1916. 546 pp.

Nearly 2,000 persons attended this conference, which "marks the transition in economic thought from the theoretical to the practical." Special efforts were made to secure speakers who could tell how to do the necessary things. Constructive plans were presented for working out systems for land and personal credit and for cooperative marketing.

Cooperation. New York, N. Y. J. P. Warbasse, editor. Published monthly by the Cooperative League of America.

"A magazine to spread the knowledge of the cooperative movement whereby the people, in voluntary organization, produce and distribute for their own use the things they need."

Cooperative Congress.

Proceedings of third Cooperative Congress. London. William Strange. 1832. 129 pp.

As a bit of the very early history of the cooperative movement this volume is of interest. The third Cooperative Congress, held in London, April 23–30, 1832, was "composed of delegates from the cooperative societies of Great Britain and Ireland." Robert Owen, as presiding officer, stated, "This congress is held with a view to give effectual and permanent relief to the entire population from their present moral and political difficulties. . . ." A statistical table shows 65 societies represented, many of which reported from 1 to 14 other societies in their neighborhoods. The societies seem to have been organized largely for manufacturing or educational purposes.

Cooperative Manager and Farmer, The. Minneapolis, Minn. James M. Anderson, editor. Published monthly by the Manager Publishing Co.

"Devoted to the interests of the grain, flour, feed, and coal trade."

Cooperative Union, Limited.

Annual congress report. 1869–1921. Manchester. Cooperative Union, Limited.

The reports of these congresses contain statistics and other data from the societies of England, Scotland, and Ireland, including agricultural societies, also many papers dealing with various phases of the problems of cooperative enterprises.

Cooperative Wholesale Society, Limited.

Annual. Manchester. Cooperative Wholesale Society, Limited. 1887–1918. Glasgow. Scottish Cooperative Wholesale Society, Limited.

The English and Scottish societies in these annuals present records of events, reports of departments and societies, much statistical matter, and papers on economic questions. The 1918 number contains a list of the contributed papers published in the annuals from 1885 to 1918, many of them by eminent writers. All numbers are profusely illustrated. In 1919 this series was merged with the People's Year Book and Annual of the Cooperative Wholesale Society.

People's Year Book and Annual of the English and Scottish Wholesale Societies. Manchester. Cooperative Wholesale Society, Ltd. 1918–1922.

The first number of the People's Year Book was issued in 1918. The following year the annual of the Cooperative Wholesale Society was combined with it under the above title and the annual as such was discontinued. A great variety of statistics from many countries is given, also summaries of proceedings of cooperative congresses of the year. The subject of cooperative international trade receives attention, and numerous articles express the opinions of cooperative leaders in various countries.

Cooperator's Herald, The. St. Paul, Minn. J. E. Kelley, editor.

Published twice a month by the Exchange Publishing Co., "in the interests of the cooperative movement and especially of cooperative terminal marketing of grain and live stock by farmers."

Coulter, John Lee, Agricultural College, N. Dak. *b.* 1881. President, North Dakota Agricultural College, 1921– . Chief, agricultural census, U. S. Census Bureau, 1910–1914; member American Commission to Study and Investigate Rural Credits and Cooperation, 1913.

Cooperation among farmers. New York. Sturgis & Walton. 1911. 281 pp., illus.

The author is convinced that farming can be made as profitable as any other business and farm life as attractive as city life. The necessity for organization and better financing is emphasized. The best forms of organizations for farmers are outlined, and experiences of successful and unsuccessful associations given.

Organization among the farmers of the United States. New Haven. Yale Publishing Co. Yale Review reprints. No. 10. 1909. 28 pp.

In an effort to correct a prevailing impression that farmers are individualistic and will not work together for any length of time, the writer presents this historical sketch of cooperative enterprises, beginning with those of the colonial period and tracing the movement down through the years.

The problem of rural credit or farm finance in the United States. Madison. Wis. State Bd. of Agr. Bul. 1. 1913. 39 pp.

Writing as expert special agent in charge of agriculture, Bureau of the Census, Doctor Coulter presents this study of credit conditions in the United States largely as an aid to the Southern Commercial Congress in its preparation for study of the credit situation in Europe. He points out that no other country has such a lack of adequate credit facilities as the United States, although no country can furnish better bases for credit. Definite recommendations are made. Much tabular matter is included.

Cross, Ira Brown, Berkeley, Calif. *b.* 1880. Professor of economics, University of California, 1914– ; served as expert, Wisconsin Tax Commission, 1904–1906; Wisconsin Bureau of Labor Statistics, 1905; U. S. Immigration Commission, 1908–9; special agent U. S. Commission on Industrial Relations, 1914–15. *Author:* Essentials of socialism, 1911; Collective bargaining in San Francisco, 1917.

The cooperative store in the United States. Madison. Wis. Bureau of Labor Statistics. Twelfth biennial report. 1905–6. 69 pp.

A historical sketch, showing the types of stores, the different organizations under which the early stores were started, the reasons for starting, the reasons for failure, and the present status of the movement. Statistical tables show the business affairs of a considerable number of these stores.

Cooperative stores in the United States. *In* New Encyclopedia of Social Reform. W. D. P. Bliss, editor. New York. Funk & Wagnalls Co. 1908. pp. 308–312.

This article summarizes the results of a study of the cooperative stores of the country. A table is included showing their status in June, 1905, as to numbers, membership, capital stock, sales, expenses, dividends, and other details.

Crosthwaite, Henry Robert. Nagpur, Central Provinces, India. *b.* 1876. Central Provinces commissioner, 1915– ; registrar, cooperative credit societies. *Author:* A primer of cooperative credit; A system of cooperation.

Crosthwaite, Henry Robert—Continued.

Comparative studies and the Central Provinces system. Calcutta. Thacker, Spink & Co. 1916. 542 pp.

An analysis of cooperative banking in central India and in other countries. Detailed information is given in regard to each feature of India's system as it has been developed to meet the needs of that country.

Cumberland, William Wilson, Lima, Peru. *b.* 1890. Employed by the Peruvian Government, 1922– . Instructor, professor, and chief division of research in agricultural economics, University of Minnesota, 1916–1919; trade expert, War Trade Board, 1918; financial expert, U. S. High Commission, Constantinople, 1919–1920; foreign trade adviser, U. S. Department of State, 1920–1922.

Cooperative marketing: Its advantages as exemplified in the California Fruit Growers' Exchange. Princeton. Princeton Univ. Press. 1917. 226 pp.

In an effort to point the way to a better system of marketing, the author analyzes the system of cooperation which has been worked out by the citrus industry of this country. Many details are given regarding cultivation, production, and marketing, also regarding the organization of the necessary machinery. The results are summarized and the applicability of similar systems to other products is shown.

Davis, Deane Griswold. *See also* Hibbard, Benjamin Horace.

Davis, Deane Griswold, Ipswich, S. Dak. *b.* 1895. County agricultural agent; assistant agricultural economist, University of Wisconsin, 1919.

Desjardins, Alphonse, Levis, P. Q., Canada. *b.* 1854. Founder of the cooperative people's banks of Canada. "A public-spirited French-Canadian gentleman of Levis."

The cooperative people's banks. New York. Russell Sage Foundation. 1914. 42 pp.

The first cooperative people's bank in Canada was founded in 1900 with $26.40 capital. This booklet is a statement by the founder concerning the causes which led to the establishment of these banks, their methods of operation, and their value as a social and moral as well as a financial force.

Dreher, P. J. . . . President California Fruit Growers' Exchange, 1919; at one time manager San Antonio Fruit Exchange.

Early history of cooperative marketing of citrus fruits. Reprint from California Citrograph, October, 1916.

Mr. Dreher tells of the deplorable and depressed condition of the citrus industry which led to the organization of the first association for cooperative marketing in 1892–93, and the development of the present system of distribution.

Dufourmantelle, Maurice. *b.* 1862. . . .

General theory of cooperative credit in France and other foreign countries. (Translated from the French by Pauline Carter Biddle.) U. S. Congress, 62d Cong., 2d sess. Senate Doc. 572. 1912. 27 pp.

The general theory of cooperative credit is stated, with an account of what has been accomplished in Germany, Italy, and Hungary. The situation in France is discussed and compared with that in other countries, showing its weaknesses, its strong points, and its needs.

Dunning, Nelson A. (Editor.) . . . *Author:* The philosophy of price and its relation to domestic currency, 1887; The tariff, all about it, from the rudiments up, 1912.

Farmers' Alliance history and agricultural digest. Washington. Alliance Publishing Co. 1891. 742 pp., illus.

This history of the Farmers' Alliance goes into considerable detail and gives much otherwise unrecorded history. The agricultural digest consists of miscellaneous information.

Durand, Edward Dana, Washington, D. C. *b.* 1871. Special agent U. S. Department of Commerce, 1921– . Director U. S. Census, 1909–1913; professor of statistics and agricultural economics, University of Minnesota, 1913–1921. *Author:* Finances of New York City, 1898; The trust problem, 1915; bulletins on cooperative marketing.

Cooperative live-stock shipping associations in Minnesota. St. Paul. Univ. of Minn. Agr. Exp. Sta. Bul. 156. 1916. 29 pp.

The character of the live-stock shipping movement is analyzed, its volume and distribution are summarized and shown by dot maps. A sample constitution and by-laws and a copy of the Minnesota laws governing cooperative associations are given. A list of the live-stock associations is published in the hope that any reader knowing of other associations may send in the information.

Durand, Edward Dana, and Hugh Bruce Price. *See* Price, Hugh Bruce.

Cooperative buying by farmers' clubs in Minnesota. St. Paul. Univ. of Minn. Agr. Exp. Sta. Bul. 167. 1917. 44 pp.

Those farmers' clubs of the State which reported having practiced cooperative buying were the subjects of this study. Part I describes the practices and experiences of clubs and groups of clubs in a number of localities. Part II summarizes and analyzes the business of all the clubs and gives a general discussion of the subject.

Durand, Edward Dana, and Frank Robotka. *See* Robotka, Frank.

Cooperative creameries and cheese factories in Minnesota, 1914. St. Paul. Univ. of Minn. Agr. Exp. Sta. Bul. 166. 1917. 53 pp.

A statistical study of creameries and cheese factories "with special emphasis on the relative importance of the cooperative and independent factories." Numerous tables and maps add to the interest of the text. The method of procedure for organizing a creamery is outlined and a copy of the Minnesota cooperative law is appended, also forms for agreements and articles of incorporation.

Cooperative stores in Minnesota, 1914. St. Paul. Univ. of Minn. Agr. Exp. Sta. Bul. 171. 1917. 31 pp.

The information upon which this analysis was based was derived from the annual reports of the cooperative stores furnished to the University of Minnesota according to the State law. The geographical distribution and the volume of business are shown. Comparisons are made between data for 1913 and 1914 from 20 stores. The financial affairs of the stores are presented in numerous tables, showing 1914 conditions and the influence of various factors on the net gain.

Durand, Edward Dana, and J. P. Jensen. *See* Jensen, J. P.

Farmers' elevators in Minnesota, 1914–15. St. Paul. Univ. of Minn. Agr. Exp. Sta. Bul. 164. 1916. 43 pp.

This supplements bulletins 146 and 152 by Doctor Weld, giving the information for farmers' elevators for the crop year 1914 and analyzing the data in considerable detail. The text is illustrated by graphic maps and a list of the farmers' elevators in the State is added.

Duryea, William Buddington, Jr. *b.* 1888. . . .

Farmers' selling organizations in New Jersey. Trenton, N. J. Dept. Agr. Bul. 3. 1917. 18 pp.

Four successful farmers' organizations are described in this bulletin, and their history, activities, and methods outlined. Three of these organizations are stock companies.

Egan, Maurice Francis, Brooklyn, N. Y. *b.* 1852. Envoy extraordinary and minister plenipotentiary to Denmark, 1907–1918; served under three presidential administrations; professor of English literature, University of Notre Dame, 1888–1895; professor of English language and literature, Catholic University of America, 1895–97. *Author:* The life around us; lectures on English literature; numerous novels, poems, and articles.

Egan, Maurice Francis—Continued.

Notes on agricultural conditions in Denmark. U. S. Congress, 62d Cong., 3d sess. Senate Doc. 992. 1913. 34 pp.

These notes served as a basis for a series of lectures by the Hon. Maurice F. Egan in the various Southern States in the spring of 1912 under the auspices of the Southern Commercial Congress. They include an outline of the system of dairy farming and marketing which the people of Denmark have developed through cooperation; also a description of the educational system which goes hand in hand with the dairy farming and adds much to the prosperity and contentment of the people.

Eliott, Howard McKenny, College Station, Tex. *b.* 1875. Chief, division of farm and ranch economics, Texas Agricultural and Mechanical College.

Farmers' cooperative gins in Texas. College Station. Texas Agr. Exp. Sta. Special circ. 1920. 23 pp., illus.

The history and plan of operation of farmers' gins in Texas is sketched and the affairs of several of these organizations are analyzed in more detail. Suggestions are offered for improving conditions and sample by-laws are given. The cooperative law of the State is quoted in full.

Englebert, Elmer Eugene. *See* Valgren, Victor Nelson.

Englebert, Elmer Eugene, Washington, D. C. *b.* 1897. Junior economist in land economics, U. S. Department of Agriculture.

Englund, Eric, Manhattan, Kans. *b.* 1893. Professor and head of department of agricultural economics, Kansas State Agricultural College; field agent in marketing, U. S. Department of Agriculture, 1919.

Survey of typical Oregon farmers' creameries. Corvallis. Oreg. Exp. Sta. Bul. 168. 1920. 24 pp.

This survey was made to determine the degree of success attained by farmers' creameries. Of 91 creameries in the State 24 are farmers' creameries. The study covers 17 of the 24 and the information collected relates to their organization and every phase of their business. Tables and charts illustrate the text. While such creameries have been generally successful, several suggestions are made for possible improvements and the importance of the cooperative spirit is pointed out.

Erdman, Henry E., Berkeley, Calif. *b.* 1884. Professor of marketing, University of California, 1922– ; assistant professor, rural economics, Ohio State University, 1917–1921; in charge cost-of-marketing studies, U. S. Department of Agriculture, 1921–22.

The farmers' elevator movement in Ohio. Columbus. Ohio Agr. Exp. Sta. Bul. 331. 1918. 27 pp.

The nature and extent of the farmers' elevator movement in Ohio is shown. The history of the movement in general and in Ohio in particular is sketched and the characteristics of the Ohio companies pointed out. Extracts are given from the corporation laws of the State and suggestions for organization are made.

Organizations among Ohio farmers. Columbus. Ohio Agr. Exp. Sta. Bul. 342. 1920. 166 pp.

The subtitle of this bulletin is "Extent and nature of business and farm improvement associations." The numerous organizations of the State are classified and their affairs analyzed and discussed. The text is illustrated by halftones and graphic maps.

Faber, Harald. *b.* 1856. . . .

Cooperation in Danish agriculture. (Original by Hans Hertel.) London and New York. Longmans, Green & Co. 1918. 176 pp.

A comprehensive history of the remarkably complete organization and development of Danish agriculture under adverse conditions. Many details and statistics are given. Translated and adapted to English readers.

Farmers' Live Stock Marketing Committee of Fifteen.

Live stock marketing plan. 1921. 20 pp.

This pamphlet contains the authorization for the appointment of the Farmers' Live Stock Marketing Committee of Fifteen by the president of the American Farm Bureau Federation, and the report of the committee as adopted by the Live Stock Ratification Conference, November 10–11, 1921. The marketing plan is given in full, also a list of the members of the committee.

Fay, Charles Ryle, Toronto, Ontario, Canada. Professor of economic history, University of Toronto, 1922– . *Author:* Copartnership in industry, 1913; Life and labour in the nineteenth century, being the substance of lectures delivered at Cambridge University in the year 1919.

Cooperation at home and abroad. New York. Macmillan Co.; London, P. S. King & Son. (2d ed.) 1920. 447 pp.

A study of the diverse and complex nature of cooperation. The history of cooperative growth and the relations between different forms of cooperation are outlined for each of seven countries. Each type of society is analyzed as it occurs in the different countries and comparisons are made. "A standard English work on the theory of the movement."

Federal Farm Loan Board.

Circulars 1, 2, 3, 4, 5, 7, 9, 10, 11. Washington, Federal Farm Loan Bureau. 1916–1921.

These circulars furnish in popular form information regarding the Federal farm loan act and its practical application, including the formation of farm loan associations and the amortization of mortgages.

First annual report. U. S. Congress, 65th Cong., 2d sess., 1918. H. R. Doc. 714.

The work of the board from the time of its organization up to November 30, 1917, is covered in this report.

Second annual report. U. S. Congress, 65th Cong., 3d sess. H. R. Doc. 1624. 1919. 30 pp.

The work of the board for the fiscal year ending November 30, 1918, is covered in this report.

Third annual report. U. S. Congress, 66th Cong., 2d sess. H. R. Doc. 553. 1920. 30 pp.

The work of the board for the fiscal year ending November 30, 1919, is covered in this report.

Fourth annual report. U. S. Congress, 66th Cong., 3d sess. H. R. Doc. 998. 1921. 6 pp.

The work of the board for the fiscal year ending December 31, 1920, is covered in this report.

Fifth annual report. U. S. Congress, 67th Cong., 2d sess. H. R. Doc. 147. 1922. 14 pp.

The work of the board for the fiscal year ending November 30, 1921, is covered in this report.

Filley, Horace Clyde, Lincoln, Nebr. *b.* 1878. Professor and head of department of rural economics, University of Nebraska, 1914– . Member Nebraska Legislature, 1911.

Cooperation. Lincoln. Nebraska Agr. Exp. Sta. Ext. Bul. 31. 1915. 31 pp.

The principles of cooperation are discussed, the Nebraska laws on the subject are given, and examples cited of cooperative concerns doing business in Nebraska.

Filley, Horace Clyde—Continued.

Cooperative elevators. Lincoln. College of Agriculture. Ext. Bul. 64. 1921. 20 pp., illus.

This bulletin details the essentials of organization and management of cooperative elevator companies, also the approved methods of organization. The growth of the movement in Nebraska is described, and the text of the State law is given as amended in 1921.

Flanagan, James A. . . .

Wholesale cooperation in Scotland: the fruits of fifty years' efforts (1868–1918). Glasgow. Scottish Cooperative Wholesale Society, Ltd. 1919. 478 pp., illus.

In commemoration of the golden jubilee of the Scottish Wholesale Society, this account of its operations for 50 years was compiled.

Ford, James, Cambridge, Mass. *b.* 1884. Associate professor of social ethics, Harvard University. Employed by Russell Sage Foundation to study cooperation in New England, 1907; also studied the movement in Europe. *Author:* Fundamentals of housing reform, 1913; The housing problem, 1911.

Cooperation in New England. New York. Survey Association, Inc. 1913. 237 pp.

The nature and scope of cooperative enterprises in New England are shown, with reasons for various successes and failures. The author believes that, now the pitfalls are marked, it is both desirable and practical that cooperative associations for purchasing and marketing should be formed and federated. The discussion of cooperation versus socialism, in the last chapter, is of interest.

Foster, Leighton George. *See* Hibbard, Benjamin Horace.

Foster, Leighton George, Madison, Wis. *b.* 1890. Deputy commissioner, Wisconsin Department of Markets; field agent in marketing, U. S. Department of Agriculture, 1917–1919; made survey of live-stock industry in Wisconsin.

Galloway, Beverley Thomas, Washington, D. C. *b.* 1863. Plant pathologist, U. S. Department of Agriculture, 1917– ; chief, Bureau of Plant Industry, U. S. Department of Agriculture, 1901–1913; Assistant Secretary of Agriculture, 1913–14; dean, State College of Agriculture, Cornell University, 1914–1916; agricultural explorer in Japan, China, India, Northern Africa.

Cooperation in agriculture and factors that make for success. Ithaca. N. Y. State Coll. of Agr. Ext. Circ. 10. 1915. 6 pp.

An address presented at the seventy-fifth annual meeting of the New York State Agricultural Society, Albany, N. Y., 1915. It is a general discussion of the subject from its economic side, with some conclusions.

Gebhard, Hannes. *b.* 1864. One of the founders and leaders of the cooperative movement in Finland. *Author:* A number of books on agricultural subjects in Swedish and French.

Cooperation in Finland. London. Williams & Norgate. 1915. 190 pp.

Finland's progress in establishing cooperative enterprises within the last few years has been unusual. A review of the movement in other countries is given, showing the distinctive features which have developed in each case. The work of the Pellervo Society in aiding and promoting the cooperatives has filled a great need in Finland. The various forms of local societies and the five federations are described and details of their business given.

Gide, Charles, Paris, France. *b.* 1847. Professor of political economy in the Faculty of Laws, University of Paris. "One of the most prominent figures in the cooperative movement." *Author:* Principes d'Economie Politique (13th ed.), 1913; la Cooperation, 1900–1903; Economie Sociale, 1902–1907.

Gide, Charles—Continued

Consumers' cooperative societies. Manchester. T. F. Unwin, Ltd. (3d ed.) 1921. 251 pp.

This is a translation by the staff of the Cooperative Reference Library, Dublin, of Professor Gide's "Les Societes Cooperatives de Consommation." The translator's preface states the book to be "regarded on the Continent as the standard work on consumers' cooperation and undoubtedly the most careful study of the subject made by a distinguished economist."

American edition. Alfred Knopf. New York. 1922. 304 pp.

The American edition, prepared by Cedric Long, was issued late in 1922. A chapter on the cooperative movement in the United States is added, American examples are cited throughout, and all figures are brought up to 1922. This book has been translated into seven European languages and the Japanese.

Gray, Lewis Cecil, and Howard Alfred Turner. *See also* Turner, Howard Alfred.

Gray, Lewis Cecil, Washington, D. C. *b.* 1881. Agricultural economist, U. S. Department of Agriculture, 1919–. Assistant and instructor in economics, University of Wisconsin, 1908–1913; professor economics, University of Saskatchewan, 1913–1915; professor rural economics, George Peabody College, 1915–1919.

Buying farms with land-bank loans. U. S. Dept. Agr. Bul. 968. 1921. 27 pp.

The subtitle of this bulletin is "A study based on the experience of 2,700 farmers who have borrowed money through Federal farm loan banks." The purpose of the study was to determine to what extent the Federal farm loan system in the first four years of its existence had "facilitated the acquisition of farms by landless farmers, especially by those having little capital." Charts, maps, and tables aid in the presentation of the information.

Great Britain, Board of Trade, Labour Department.

Report on industrial and agricultural cooperative societies in the United Kingdom, with statistical tables. London. 1912. 328 pp.

This report, prepared by the labour department, covers the affairs of the industrial, agricultural, banking, credit, and other societies, for the decade beginning 1900. The text is accompanied by charts and numerous statistical tables.

Haggard, *Sir* **Henry Rider,** London, England. *b.* 1856. Barrister at law. "An authority on agricultural and social questions." Journeyed through England investigating agricultural conditions, 1901–2. *Author:* Rural England; numerous novels.

Rural Denmark and its lessons. London and New York. Longmans, Green & Co. 1917. 325 pp., illus.

The author describes his visits to various Danish farms, creameries, bacon factories, and other institutions, as well as interviews with individuals, and his resultant conclusions regarding cooperation and cooperative credit. Profusely illustrated.

Ham, Arthur Harold, and Leonard G. Robinson. *See also* Robinson, Leonard G.

Ham, Arthur Harold, New York, N. Y. *b.* 1882. Director, division of remedial loans, Russell Sage Foundation. Engaged in promoting a national movement for elimination of usurious money lenders. *Author:* The chattel loan business, 1909; The credit union and the cooperative store, 1917; Credit unions and their relation to savings and loan associations, 1915.

A credit union primer. New York. Russell Sage Foundation. 1914. 81 pp.

Ham, Arthur Harold, and Leonard G. Robinson—Continued.

The contents of this "primer" are indicated clearly on the title page, "An elementary treatise on cooperative banking, containing questions and answers concerning methods of organization and operation, necessary books and forms, suggested by-laws, and the credit union law of New York." The introduction contains considerable historical and explanatory matter.

Hammans, Charles Wayne. *See* Nourse, Edwin Griswold.

Hammans, Charles Wayne, Logan, Iowa. *b.* 1892. County agricultural agent, Harrison County.

"Hangya" (Ant) Cooperative Wholesale Society of the Alliance of the Hungarian Farmers. Budapest. "Hangya" Printing House. 1921. 56 pp.

The operations of the society for the year 1920, including the final accounts, are covered by this report.

Harris, Emerson Pitt, New York, N. Y. *b.* 1853. "Recognized as among the foremost authorities on the business and economics of publishing technical, trade, and other specialized periodicals." President, Montclair Cooperative Store Society. A student of and writer on consumers' cooperation.

Cooperation: the hope of the consumer. New York. Macmillan Co. 1918. 328 pp.

The author points out that the chief evils and faults of our present system of distribution are due to competition for profit. The remedy is indicated and practical details are given for the management of cooperative business.

Herrick, Myron Timothy, Paris, France. *b.* 1854. U. S. ambassador to France, 1921– . Lawyer; governor of Ohio, 1903–1906; ambassador to France, 1912–1914.

How to finance the farmer. Private enterprise—not State aid. U. S. Congress, 64th Cong., 1st sess. Senate Doc. 396. 1916. 72 pp.

A report to the governor of Ohio from the Ohio State committee on rural credits and cooperation, of which Mr. Herrick was chairman. The history of the origin of the rural credits movement is related and its development traced. Each type of land-credit institution is analyzed, showing its strong and weak points and its possibilities of adaptability to American conditions.

See also Preliminary report on land and agricultural credit in Europe.

Herrick, Myron Timothy, and Ralph Ingalls. *See* Ingalls, Ralph.

Rural credits, land and cooperative. New York and London. D. Appleton & Co. 1914. 519 pp.

The systems of credit which various countries have established are described at length. The forms and uses of credit are discussed, also the principles of cooperative credit and their application.

Hibbard, Benjamin Horace, Madison, Wis. *b.* 1870. Professor of agricultural economics, University of Wisconsin, 1912– . Expert special agent, U. S. Census, 1911. *Author:* History of agriculture in Dane County, Wis., 1904; Effects of the Great War upon agriculture, 1919.

Agricultural cooperation. Madison. Wis. Agr. Exp. Sta. Bul. 238 (2d ed.) 1917. 45 pp.

A comprehensive analysis of the subject and of the conditions which make for success or failure. The possibility of acquiring through cooperation a better understanding of markets and business methods is shown. Forms for articles of incorporation and constitution and by-laws are given.

Hibbard, Benjamin Horace—Continued.

Marketing agricultural products. New York. D. Appleton & Co. 1921. 389 pp.

The subject is taken up under the following divisions: Part I. The problems and mechanism of marketing. Part II. Reforms through general organizations and politics. Part III. Reforms through cooperative business organization.

Hibbard, Benjamin Horace, and Asher Hobson. *See* Hobson, Asher.

Cooperation in Wisconsin. Madison. Univ. of Wis. Agr. Exp. Sta. Bul. 282. 1917. 44 pp.

A survey of the cooperative agricultural enterprises of the State, with details regarding each commodity group.

Markets and prices of Wisconsin cheese. Madison. Univ. of Wis. Agr. Exp. Sta. Bul. 251. 1915. 56 pp., illus.

A study of the cheese industry of the State, covering organization, ownership, and control of factories, both private and cooperative, and the processes through which the cheese must pass from producer to consumer, including cost of marketing. The organization of the Sheboygan Cheese Producers' Federation is outlined and its success analyzed. Numerous tables, charts, and pictures are introduced.

Hibbard, Benjamin Horace, and Frank Robotka. *See* Robotka, Frank.

Farm credit in Wisconsin. Madison. Univ. of Wis. Agr. Exp. Sta. Bul. 247. 1915. 66 pp.

Two dissimilar areas, one in the southern and one in the northern and newer part of the State, were selected for this study. Efforts were made to determine the nature and amount of all indebtedness, also the opportunities and demands for credit. A study of diverse conditions helps to an understanding of the types of credit best adapted to different needs. The "Ashland Dairy Plan" of credit is described. A need for personal credit in the northern section was revealed by the study. A series of amortization tables is included.

Hibbard, Benjamin Horace, Leighton George Foster, and Deane Griswold Davis. *See* Foster, Leighton George; Davis, Deane Griswold.

Wisconsin live-stock shipping association. Madison. Univ. of Wis. Agr. Exp. Sta. Bul. 314. 1920. 23 pp., illus.

The live-stock business of the State is summarized for 1917 and 1918. History shows that the first two cooperative shipping associations were formed in 1908 and that the number had increased to 560 in 1919, at which time the savings to the shippers amounted to $1,500,000 a year. Two chief reasons for the success of this type of organization are pointed out. Advantages to the growers and to the live-stock industry in general are shown, as are also conditions for successful operation and methods of carrying on business. Suggested forms for constitution and by-laws are included.

Hobson, Asher, Rome, Italy. *b.* 1889. Member of permanent committee, International Institute of Agriculture, 1922– . Specialist in market research, Columbia University, 1921–22; assistant chief, Office of Farm Management, U. S. Department of Agriculture, 1914–1921. *See* Hibbard, Benjamin Horace.

Holmes, George Kirby, Washington, D. C. *b.* 1856. Statistical scientist, U. S. Department of Agriculture, 1905– ; special agent, U. S. Census, 1890; delegate, International Institute of Agriculture, Rome. *Author:* Farms and homes; real-estate mortgages (both census of 1890); numerous publications of U. S. Department of Agriculture.

Systems of marketing farm products and demands for such products at trade centers. U. S. Dept. Agr., Report 98. 1913. 391 pp.

Holmes, George Kirby—Continued.

This report was prepared in the Bureau of Statistics under the immediate supervision of Mr. Holmes in response to a provision in the agricultural appropriation act for the year ending June 30, 1913. The information regarding systems of marketing was derived from articles written by specialists of the Department of Agriculture and from reports from cooperative associations and other marketing agencies. Descriptive reports from 66 associations are included. The part of the document concerned with demand at trade centers was necessarily limited to such information as could be found in print and is tabulated by commodities.

Holyoake, George Jacob (Birmingham, Eng.). *b.* 1817; *d.* 1906. One of the lecturers appointed to explain the social system of Robert Owen, 1841; founder of secularism; edited 30 volumes of The Reasoner, 1846–1866. *Author:* The cooperative movement of to-day, 1891; Sixty years of an agitator's life, 1892; Nature and origin of secularism, 1896; etc.

History of cooperation. London. T. Fisher Unwin. 1906. 691 pp.

Sometimes called the "Bible of Cooperation." In the words of the author it is "An account of the origin and growth of cooperation, of the literature which fostered it, the persons who aided it, the principles which directed it, and the influence of cooperation on the future welfare of labour." The time covered is from the Owenite period down to 1904.

History of the Rochdale pioneers. London. Geo. Allen and Unwin, Ltd. New York. Chas. Scribners' Sons. (10th ed.) 1907. 184 pp.

A comprehensive history of the subject. Part I was written in 1857 and gives a close view of early trials and successes. Part II was written 21 years later, when the development of the cooperative movement had brought a realization of its importance. A list of the original 28 members is given. Personal sketches and anecdotes enliven the narrative.

Howe, Frederic Clemson, Harriman-on-the-Hudson, N. Y. *b.* 1867. Commissioner of immigration, port of New York, 1914– ; member Ohio Senate, 1906–9; director People's Institute, New York, 1911–1914. *Author:* Taxation and taxes in the United States under the internal-revenue system, 1791–1895; The city the hope of democracy, 1905; Wisconsin, an experiment in democracy; etc.

Denmark, a cooperative commonwealth. London, Geo. Allen & Unwin, Ltd.; New York, Harcourt, Brace & Co. 1921. 203 pp.

The author considers Denmark "quite the most valuable political exhibit in the modern world," and describes the unique type of civilization she has developed within one generation. Political, social, economic, and educational conditions are discussed, showing how in all "the state is an agency for promoting the well-being of the people."

Humphrey, John Regester. *See* Kerr, William Horace; Nahstoll, George Anton.

Humphrey, John Regester. . . . *b.* 1879. Head, department of markets, University of Kentucky, 1918–1920; investigator in market business practice, U. S. Department of Agriculture, 1914–1918.

Humphrey, John Regester, and William Horace Kerr.

Lumber accounting and opening the books in primary grain elevators. U. S. Dept. Agr., Markets Doc. 2. 1916. 12 pp.

This document is supplemental to Department Bulletins 236 and 362, and is designed to furnish auxiliary forms for such elevators as wish to handle lumber.

Patronage dividends in cooperative grain companies. U. S. Dept. Agr. Bul. 371. 1916. 11 pp.

The matter of providing a method of distribution of patronage dividends which shall be economical and efficient is considered. The elevator companies are grouped for this purpose according to the plans under which they are organized, and suggestions are made for handling the accounting systems of each group.

Humphrey, John Regester, and William Horace Kerr—Continued.

A system of accounts for farmers' cooperative elevators. U. S. Dept. Agr. Bul. 236. 1915. 30 pp. (Reprinted 1916 as Bul. 362.)

The system of accounts here described is designed to provide a uniform and adequate system for the use of farmers' cooperative elevators. Instructions for the use of the system and samples of all necessary forms are included.

Humphrey, John Regester, and George Anton Nahstoll. *See* Nahstoll, George Anton.

Accounting records for country creameries. U. S. Dept. Agr. Bul. 559. 1917. 37 pp.

The advantages of standardizing accounting systems are discussed, a practical system is described, and all necessary forms are shown with explanations and comments.

India, Department of Statistics.

Statement showing progress of the cooperative movement in India, 1919–20. Calcutta. Superintendent Government Printing. 1921. 22 pp.

This detailed record of the main statistics of the cooperative societies in the several Provinces of India for the year 1919–20 shows a steady increase in the number of societies and the amount of business since 1906–7. The information is arranged largely in the form of tables. A graphic map and a chart are also included.

Ingalls, Ralph. New York, N. Y. . . . *See* Herrick, Myron Timothy.

International Cooperative Alliance.

International cooperative bibliography. London. International Cooperative Alliance. 1906. 276 pp.

This bibliography includes 5,761 entries. Books, pamphlets, and periodical material in 12 languages are classified according to subject and country. Pages 72–102 are devoted to credits, making the work of great value to the student of that subject.

Reports of proceedings of International Cooperative Congresses, from the first, held in 1895, to the ninth, held in 1913.

A considerable number of authoritative reports and papers on subjects of interest to the student of cooperation are included in the reports of these congresses.

Statistics of cooperative societies in various countries. London. P. S. King & Son. 1898. 330 pp.

The tables in this book were prepared by the statistical committee of the International Cooperative Alliance and cover data concerning distributive, productive, credit, agricultural, and other types of societies for the year 1896. All the information is printed in English, French, and German.

Year book of international cooperation. London. International Cooperative Alliance. 1913. 255 pp.

This year book was issued by order of the central committee of the organization. Part I contains many statistical tables of cooperative enterprises in various countries, with explanatory matter. Part II is a memoir to Dr. William King, by Dr. Hans Müller.

International Cooperative Bulletin. Orchard House, London, S. W., 1.

Published monthly. This official organ of the International Cooperative Alliance contains news of cooperative enterprises in all parts of the world. Special reports are given of all cooperative congresses. Published in English, French, and German.

International Institute of Agriculture.

Agricultural credit and cooperation in Italy. Rome. 1913. 35 pp.

A brief report on agricultural credit and cooperation prepared in advance to facilitate the work of the American Commission to Investigate and Study Rural Credit and Cooperation. Much of the information is presented in tabular form.

An outline of the European cooperative credit systems. Rome. 1913. (3d ed.) 72 pp.

A concise description of the credit systems in use in Germany, Austria, Italy, France, Belgium, Great Britain and Ireland, and British India, showing how systems have been adapted to varying conditions, with some general conclusions.

International Institute of Agriculture: Its organization, its work, its results. Rome, Printing Office of the Institute. 1915. 45 pp., illus.

A historical and descriptive sketch of the early days of this organization, its founders, and its work.

Systems of cooperative rural credit. U. S. Congress, 62d Cong., 2d sess. Senate Doc. 574. 1912. 48 pp.

A study of the credit systems of Europe, compiled from articles published in the Bulletin of Economic and Social Intelligence. The principles of cooperative credit are traced and the methods in which these principles have been applied in various countries are outlined and compared, showing the different sources from which capital is derived, and other features.

International Review of Agricultural Economics. (Formerly Bulletin of Economic and Social Intelligence.) Rome, Italy.

Published monthly by the International Institute of Agriculture. A considerable portion of each issue is devoted to the latest information concerning agricultural cooperation, insurance, and credit in numerous countries of the world, also attention is given to the social and economic conditions of the agricultural classes.

Irish Agricultural Organization Society.

Reports of the society for the years 1895–1921. Dublin.

These reports show the progress of the Irish societies from year to year, with statistics and other data. Reports of meetings include speeches by prominent cooperators.

Irish Economist, The. (Formerly Better Business.) Plunkett House, Dublin, Ireland.

Published quarterly by the Cooperative Reference Library. It contains information on matters relating to cooperation at home and abroad concerning both producers and consumers.

Irish Homestead, The. Dublin, Ireland. George W. Russell, Editor.

Published weekly for the Irish Agricultural Organization Society. "The organ of Irish agricultural and industrial development."

Jefferson, Lorian P. *See* Cance, Alexander Edmond.

Jefferson, Lorian P., Amherst, Mass. Research assistant in agricultural economics, Massachusetts Agricultural College.

Jensen, J. P. . . . *See* Durand, Edward Dana.

Jesness, Oscar Bernard. *See also* Bassett, Charles Elisha; Mehl, Joseph Martin.

Jesness, Oscar Bernard, chief, section of markets, University of Kentucky, 1920– ; specialist in cooperative organization, U. S. Department of Agriculture, 1915–1920.

Cooperative marketing. U. S. Dept. Agr. Farmers' Bul. 1144. 1921. 27 pp.

The purposes and possibilities of cooperative marketing are depicted, and details are given regarding the requisities for success.

Jesness, Oscar Bernard—Continued.

Cooperative potato marketing in Minnesota. St. Paul. Univ. of Minn. Studies in the social sciences. No. 4. Studies in the marketing of farm products. 1915. pp. 39–56.

A study of the cooperative potato marketing associations of the State. Dot maps illustrate the distribution of production and the distribution of warehouses. Comparisons are made with certain eastern associations. Financial affairs and methods of business are analyzed and suggestions are made for improvement.

Jesness, Oscar Bernard, and William Horace Kerr. *See* Kerr, William Horace.

Cooperative purchasing and marketing organizations among farmers in the United States. U. S. Dept. Agr. Bul. 547. 1917. 82 pp., illus.

A study of the cooperative purchasing and marketing associations of the country, showing their numbers and types, their distribution, volume of business, membership, and other features. Several representative types are described. Methods of financing and business practice are discussed. A digest of State cooperative laws is added, also a bibliography. Numerous charts and tables are given.

Joint Commission of Agricultural Inquiry.

Joint Committee on Rural Credits.

Joint Hearings before Subcommittee, etc.

All placed under **U. S. Congress.**

Jones, Lloyd. *b.* 1811; *d.* 1886. Became an Owenite in 1832; a leader in the Owenite cooperative movement in England.

Life, times, and labours of Robert Owen. London. Swan Sonnenschein & Co. 1895. (2d ed.) 443 pp.

A sympathetic biography of Robert Owen, upon whose teachings the cooperative movement was based. His long struggle to better the condition of the poor and oppressed, his plans for reforms, and the degree of success attained are depicted. The author states: "The interest of such a life lies in its practical wisdom and its faithfulness to principle, not in the completeness of success. The highest to be hoped by the wisest and ablest who engage in such a work is that . . . future success shall be reached by others."

Jordan, F. R. . . .

Agricultural cooperative credit societies. Sydney. New South Wales Dept. Agr. 1909. 40 pp.

A compilation of information concerning the principal types of associations which have been established in Germany, Italy, France, and Ireland. These types are compared and discussed with regard to their applicability to conditions in New South Wales. The conclusion is reached that "no scheme of agricultural credit can have any prospect of success unless it is based upon the cooperative effort of the agriculturists themselves."

Kansas State Board of Agriculture.

Cooperation in Kansas. *In* 19th Biennial Report. 1913–14. pp. 154–246. Topeka. Kans. Dept. Agr. 1915. illus.

An investigation of the cooperative enterprises of Kansas, with an analysis of the affairs of various types, suggested by-laws, and the corporation laws of 1913. Several successful organizations are described in some detail, including the "largest cooperative store in the United States" and the "only Grange bank in the world," both located at Olathe, Kans.

Kelley, Oliver H. *b.* 1826; *d.* ——. Founder and first secretary of the National Grange. To his vision, faith, enthusiasm, and persistence must be given most of the credit for the establishment of the order.

Kelley, Oliver H.—Continued.

Origin and progress of the Order of the Patrons of Husbandry. Philadelphia. J. A. Wagenseller. 1875. 441 pp.

The Order of the Patrons of Husbandry, commonly known as the "Grange," had for its primary purpose the restoration of kindly feelings among the people after the Civil War. The story of the conception of the idea and its development, of the early struggles and the later successes, is told by the man whose idea it was. A large portion of the story is given by means of correspondence conducted during the first five years.

Kenkel, Joseph Bernard. . . . *b.* 1894.

The cooperative elevator movement. Washington. Catholic University of America. 1922. 155 pp.

A treatise on grain marketing at country points in the North Central States, showing how and why the farmers' elevator system was evolved, the structure and functions of the associations, the results achieved, and some factors of success.

Kerr, William Horace. *See also* Bexell, John Andrew; Humphrey, John Regester; Jesness, Oscar Bernard; Macpherson, Hector; Nahstoll, George A.

Kerr, William Horace. *d.* 1917. Investigator in market business practice, U. S. Department of Agriculture, 1913–1917. Developed systems of accounting for cooperative associations.

Kerr, William Horace, and George Anton Nahstoll.

Cooperative organization business methods. U. S. Department Agr. Bul. 178. 1915. 24 pp.

Detailed information regarding the business requirements of cooperative marketing associations for agricultural products, including systems of accounts, duties of officers, filing systems, auditing, and other features. A bibliography is included.

Kile, Orville Merton, Washington, D. C. *b.* 1886. Agricultural writer; formerly county agent leader in West Virginia; assistant Washington representative of the American Farm Bureau Federation, 1921.

The farm bureau movement. New York. Macmillan Co. 1921. 282 p., illus.

The background, structure, origin, and purpose of the farm bureau movement are discussed and its strength and weaknesses analyzed. The book covers the history and principles of former and contemporary agricultural organizations in the United States for purposes of comparison with the farm bureau and also "in an effort to present a picture of the true status of agricultural organization to-day."

Laidler, Harry Wellington, New York, N. Y. *b.* 1884. President, League for Industrial Democracy; editor, The Labor Age. *Author:* Socialism in thought and action, 1920; Boycotts and the labor struggle, 1914; Public ownership throughout the world, 1918.

The British cooperative movement. (Reprinted from Pearson's Magazine.) New York. Cooperative League of America. 1918. 16 pp.

An outline of the history and management of the cooperative wholesale societies of England and Scotland, with observations on the possibilities of consumers' cooperation in the United States.

Lee, Frederick Edward. . . . In charge economic intelligence section, War Trade Board, 1918; U. S. consul to China, 1920–1922.

The Russian cooperative movement. Washington. Bureau of Foreign and Domestic Commerce. Misc. series 101. 1920. 83 pp., illus.

Lee, Frederick Edward—Continued.

The cooperative movement in Russia from its beginnings in 1865 is traced, including the general history and a discussion of the three chief types of societies, consumers', producers', and credit. Several of the important organizations of each type are described in some detail, showing their remarkable growth and achievement and their equally remarkable influence on the life of the country, where they have proved the most stable element in the social and economic life through the disorganization following the war. The appendixes include information concerning the status of the cooperatives in the early days of Soviet Russia.

Lloyd, John William, Urbana, Ill. *b.* 1876. Professor olericulture, University of Illinois, 1911– . *Author:* Productive vegetable growing, 1914.

Cooperative and other organized methods of marketing California horticultural products. Urbana. Univ. of Ill. Studies in the social sciences. 1919. 142 pp.

A study of the conditions which led to the formation of coperative marketing associations in California and what the associations have accomplished. Details and statistics are given for some of the larger associations. The advantages of cooperative marketing are pointed out and the fundamental principles stated, together with much essential information regarding organization.

Lubin, David. *b.* 1849; *d.* 1919. In mercantile business in Sacramento; suggested founding the International Institute of Agriculture; was U. S. delegate to the institute; introduced rural credit question in the United States. *Author:* Let there be light.

Adaptation of the European credit system to meet the needs of the American farmer. Report to the International Institute of Agriculture of the conference held at Nashville, Tenn., April, 1912. U. S. Congress, 62d Cong., 2d sess. Senate Doc. 855. 1912. 16 pp.

A discussion of dynamic and static money and of the credit system of Europe. The need for a careful study of this system is shown, also some of the possibilities of the collective use of dynamic money.

Lucas, James. . . .

Cooperation in Scotland. Manchester. Cooperative Union, Ltd. 1920. 93 pp., illus.

This volume is a survey of the beginnings and growth of the cooperative movement in Scotland, with its distinctive features. The development of several associations is outlined. Tables of statistics covering the business of the Scottish Wholesale Society for many years are given in an appendix.

Macklin, Theodore, Madison, Wis. *b.* 1889. Professor agricultural economics, University of Wisconsin, 1919– ; formerly professor, Iowa State College and Kansas State College.

Cooperation applied to marketing by Kansas farmers. Manhattan. Kans. Agr. Exp. Sta. Bul. 224. 1920. 61 pp.

A survey was made of the coperative enterprises in Kansas in 1916, and an analysis of the results is here presented, including statistics and comments. The principles of successful cooperation are stated, together with the necessary steps for organization. Suggested constitution and by-laws are included.

Efficient marketing for agriculture: Its services, methods, and agencies. New York. Macmillan Co. 1921. 418 pp., illus.

Believing that better understanding by all concerned of the processes and principles involved will aid in better marketing, the author endeavors to clarify the necessary services which make up the marketing process and to point out where improvements can be made. Chapter XIII is devoted to a discussion of the fundamentals of cooperation and the distinction between the corporate idea and the cooperative idea.

Macklin, Theodore—Continued.

Marketing by federations. Madison. Univ. of Wis. Agr. Exp. Sta. Bul. 322. 1920. 24 pp.

Certain essential services of the middleman are analyzed in order to show that these must be performed and paid for by some one and that they may be performed efficiently by federations. The affairs of the Wisconsin Cheese Producers' Federation are presented as an example for other Wisconsin groups desiring to federate.

McNeill, Alex. *b.* 1853; *d.* 1913. Chief, fruit division, Canadian Department of Agriculture, 1904–1913. Did much to further the cause of cooperation in Eastern Canada.

Cooperation in the marketing of apples. Ottawa. Dept. Agr. Bul. 18. Dairy and cold storage series. 1907. 28 pp.

The conditions of the markets for Canadian apples in the past are reviewed to show the causes which led to the formation of cooperative associations. The various factors of marketing are analyzed and the principles of cooperation stated.

Macpherson, Hector. *See also* Bexell, John Andrew.

Macpherson, Hector, Corvallis, Oreg. *b.* 1875. Professor of economics and director bureau of markets, Oregon Agricultural College; member American Commission to Study and Investigate Rural Credits and Cooperation, 1913.

The business side of farming. Part II. Practical problems in rural economics. Corvallis. Oreg. Agr. Coll. Bul. 71. 1911. 87 pp.

Professor Macpherson analyzes our present marketing system and discusses plans for reducing the spread between producer and consumer. He points out education and cooperation as the remedies, outlining the results already obtained by certain cooperative marketing associations. He believes that "a satisfactory adjustment of farm prices can be finally accomplished only by an organization of city consumers as thoroughly and carefully managed as the marketing associations of farmers." A brief study of purchasing of farm supplies is included.

Cooperative credit associations in the Province of Quebec. Kingston. 1910. 96 pp.

This dissertation shows the Quebec associations in their relation to the general cooperative movement, outlines the organization and operation of a typical French-Canadian cooperative credit association, and discusses the economic and social effects of these associations in Quebec and the possibilities of cooperative credit associations in Canada and the United States.

Macpherson, Hector, and William Horace Kerr. *See* Kerr, William Horace.

A federated cooperative cheese manufacturing and marketing association. U. S. Dept. Agr. Yearbook. 1916. 13 pp.

This paper is a study of the methods of business administration of one of Oregon's associations which "has standardized the product of its member factories and eliminated unequal competition in matters of production and prices."

Maxwell, William. (Editor.) . . . Mr. Maxwell is called "The greatest living cooperator." He was president of the Scottish Wholesale Society, 1881–1908; later president of the International Cooperative Alliance. "He took a leading part in the inception and development of all the productive industries of the (Scottish) society now in operation."

First fifty years of St. Cuthbert's Cooperative Association, Ltd. Edinburgh. Published by the Association. 1909. 275 pp., illus.

An entertaining story of the ups and downs of this Scottish association from its founding in 1859 up to 1909. Frequent recourse to the records of the society was had for the compilation. Sketches and portraits of men who were prominent in the work are included.

Maxwell, William—Continued.

The history of cooperation in Scotland: Its inception and leaders. Glasgow. Scottish Section of Cooperative Union. 1910. 398 pp., illus.

The author delves deep into the history of Scotland for records of the earliest attempts at cooperative enterprises, and traces the movement through the years to its present extensive proportions. Sketches of many of the early and modern societies and their leaders are included. The numerous illustrations include portraits of leading cooperators and pictures of a number of the large factories and administrative buildings of the cooperative industries of the country.

Mehl, Joseph Martin, Chicago, Ill. *b.* 1886. Secretary, U. S. Grain Growers, Inc., 1921– ; manager, farmers' elevators, 1909–1917; investigator in cooperative organization, U. S. Department of Agriculture, 1917–1921.

Cooperative grain marketing: A comparative study of methods in the United States and Canada. U. S. Dept. Agr. Bul. 937. 1921. 21 pp., illus.

The different plans of marketing in the two countries are compared and the reasons for their development analyzed. Several of the large Canadian organizations are described, also several in the United States, with comparisons and conclusions.

The farmers' purchase power, how organized. U. S. Dept. Agr. Yearbook. 1919. 10 pp.

A concise statement of approved methods for the organization of purchasing associations, with reasons for each step.

Mehl, Joseph Martin, and Oscar Bernard Jesness. *See* Jesness, Oscar Bernard.

Organization of cooperative grain elevator companies. U. S. Dept. Agr. Bul. 860. 1920. 40 pp.

The authors state this to be "a plan of organization and method of procedure for persons required to assist in the formation of cooperative grain companies." Fundamental principles, forms of organization, and methods of procedure are discussed. Forms of by-laws and many general suggestions are added.

Mehta, Vaikunth L., Bombay, India. Manager Bombay Central Cooperative Bank. *See* Venakatasubbaiya, V.

Metcalf, Ralph. . . . *b.* 1862. State senator in Washington several terms; member from Washington of the American Commission to Study Agricultural Credit and Cooperation, 1913. *Author*: Direct primary legislation, 1907.

Rural credits in Germany. U. S. Congress, 63d Cong., 2d sess. H. R. Doc. 571. 1914. 37 pp.

An address delivered before the Farmers' Union of Washington and Idaho. Mr. Metcalf was a member of the American commission which visited Europe in 1913, and this description of the credit systems of Germany is the result of his personal observation and investigation.

Michell, Humfrey, Toronto, Ontario, Canada. *b.* 1883. Professor of political economy, McMaster University. *Author:* Profit sharing and producers' cooperation, 1918; numerous articles in reviews on economic subjects.

The Grange in Canada. Kingston. Queen's University. Bul. Depts. of History and Political and Economic Science. No. 13. 1914. 21 pp.

An outline of the troubled history and apparent demise of this order in Canada and the benefits it brought the country as seen in retrospect.

The cooperative store in Canada. Kingston. Queen's University. Bul. Depts. of History and Political and Economic Science. 1916. 22 pp.

The salient features of cooperation are stated, with a record of those associations which have succeeded and of those which have failed. The present status of the movement is described.

Michell, Humfrey—Continued.

The problem of agrarian credit in Canada. Kingston. Queen's University. Bul. Depts. of History and Political and Economic Science. No. 10. 1914. 24 pp.

This bulletin summarizes the work of the Saskatchewan Royal Credit Commission which studied the various credit systems and decided that the "landschaften" system was best adapted to the situation.

People's banks in North America. U. S. Congress, 63d Cong., 2d sess. Senate Doc. 580. 1914. 21 pp.

The subtitle of this document is "A survey of the Desjardins system of cooperative banks in Canada and their adoption in the United States." It describes local conditions in Quebec to which M. Desjardins adapted the Luzatti type of credit bank, beginning with one small bank in 1900. It shows the expansion and influence of the system in Canada and its extension into New England. The by-laws of the first *caisse populaire* are given and the advantages of the system described.

Miller, Paul L. *See also* Black, John Donald.

Miller, Paul L., St. Paul, Minnesota. *b.* 1890. Research agent in marketing, employed cooperatively by U. S. Department of Agriculture and the University of Minnesota, 1920– .

Montgomery, Hugh de Fellenberg. . . . Member of the Irish Agricultural Board. *Author:* Irish lands and Irish rights. By an Irish landlord. 1881.

Notes on agricultural cooperation and cooperative agricultural credit in Germany. Dublin. Dept. of Agr. and Technical Instruction for Ireland. Bul. 2. Misc. series. 1909. 108 pp.

Ireland's great need for credit is shown, and this careful study of German cooperatives is presented, with comments regarding the applicability to Irish requirements of the various factors and methods. Much statistical matter is given.

Moomaw, Clarence Wilkes. . . . *See also* Bassett, Charles Elisha.

Mr. Moomaw, *b.* 1880, was specialist in cooperative organization and specialist in foreign marketing, U. S. Department of Agriculture, 1914–1919.

Morgan, Dick Thompson, Woodward, Okla. *b.* 1854. Lawyer; member of 61st to 66th U. S. Congresses (1909–1921), 8th Oklahoma dist. *Author:* Morgan's digest of Oklahoma statutes and supreme court decisions, 1898; Morgan's school land manual, 1901.

Land credits: A plea for the American farmer. New York. Thomas Y. Crowell Co. 1915. 299 pp.

The credit situation of the country is reviewed, showing the small proportion devoted to agriculture. The several rural credit bills before Congress, which later culminated in the enactment of the Federal farm loan act, are compared and discussed, with many constructive suggestions. The book is of interest as history of United States rural credit legislation.

Morman, James Bale, Kensington, Md. *b.* 1868. Formerly assistant secretary Federal Farm Loan Board; member from Maryland of American Commission to Study and Investigate Rural Credit and Cooperation, 1913. *Author:* Principles of social progress, 1900; The place of agriculture in reconstruction, 1919.

The principles of rural credit. New York. Macmillan Co. 1915. 287 pp.

Part I of this book, "Methods of financing farmers in European countries," is a summary for popular use of the information contained in the report of the American commission, found in Senate Doc. 214. Part II presents "A constructive credit system for American farmers" as worked out by the author.

Morosoff, K. I. . . .

The Union of Siberian Cooperative Unions—"Zakupsbyt." London. Published by the London office of the Union of Siberian Unions. 1919. 15 pp.

The union "Zakupsbyt" (from two words meaning purchase-sale) was organized in 1916 to provide a coordinating center for the cooperative movement. Its organization and progress are described, showing the functions of each department. A list of affiliated unions is given, also figures showing the turnover for the first three years.

Moscow Narodny Bank, The: Its History and Achievements, 1912–1917. London. Published by the London office of the Moscow Narodny Bank. 1917 (?). 20 pp.

A simple statement of the beginnings and development of this remarkable bank which was organized to provide capital for the cooperative societies of Russia, but soon found itself obliged to open departments for the wholesale purchase of agricultural machinery and other goods, and also for the sale of produce. Statistics are given for the first five years of operation.

Myrick, Herbert, Wilbraham, Mass. *b.* 1860. Editor, Farm and Home; president Phelps Publishing Co. and Orange Judd Co.; director Federal Land Bank of Springfield. *Author:* The crisis in agriculture, 1900; etc.

Cooperative finance: An American method for the American people. New York. Orange Judd Co. 1912. 311 pp., illus.

A plan devised by the author for a system of cooperative credit in the United States is here described. The book was published in 1912 in connection with an aggressive campaign conducted by the Orange Judd weeklies for the enactment of the currency law passed in December, 1913. The volume is profusely illustrated with cartoons, sketches, and charts.

The Federal farm loan system. New York. Orange Judd Co. 1916. 239 pp.

The author calls this volume "A practical manual upon organizing and conducting farm-loan associations, also joint-stock banks, showing how farmers, investors, bankers, and the public may obtain the fullest benefit of the system." The text of the Federal farm loan act is given in full.

How to cooperate. New York. Orange Judd Co. 1891. 349 pp., illus.

A manual for cooperators, written to show the best plans and methods of cooperation rather than theories or reasons. Examples of successful enterprises are cited and information is given regarding their methods and the results. Also definite instructions are given as to how to start similar associations.

Rural credits system for the United States. New York. Orange Judd Co. 1922. 239 pp.

The title-page states this book was "Prepared at the request of the Rural Credits Committee of the Farm Bloc of the U. S. Senate." The plan for the bill is epitomized on two pages preceding the title-page and discussed in the text. The proposed rural credits bill is given in full.

Nahstoll, George Anton, and John Regester Humphrey. *See also* Kerr, William Horace; Humphrey, John Regester.

Nahstoll, George Anton, Delta, Colo. *b.* 1885. Secretary-treasurer, Rupp & Nahstoll Produce Co.; investigator in market business practice, U. S. Department of Agriculture, 1913–1920.

Systems of accounting for fruit shipping associations. U. S. Dept. Agr. Bul. 590. 1918. 59 pp.

Nahstoll, George Anton, and John Regester Humphrey—Continued.

This system of accounts is devised especially for the use of local and assembling associations which market their output through a selling agent, and "it is intended to cover all operations incident to the handling of growers' supplies and of the growers' fruit." Samples of the various forms included in the system are shown and their use explained.

National Agricultural Conference.

Report of the National Agricultural Conference. U. S. Congress, 67th Cong., 2d sess. H. R. Doc. 195. 1922. 210 pp.

The National Agricultural Conference, held in Washington, January 23–27, 1922, was called by the Secretary of Agriculture at the request of President Harding to consider the agricultural problems of the American people. It was probably the largest and most representative agricultural conference ever held in this country. This report contains a large number of addresses delivered before the conference, with reports of committees and subcommittees, and a list of the delegates.

National Association of State Marketing Officials.

Proceedings of first annual meeting. *In* Foods and Markets. Albany. State of New York. Department of Farms and Markets. Vol. II, No. 18. February, 1920. 37 pp.

A brief account is given of the organization of this association, several of the addresses are printed in full, as are also the constitution and by-laws, a list of the officers elected, and reports from several temporary committees.

Proceedings of second annual convention. 1920. 30 pp.

The outline of a constructive national marketing program, adopted by the convention, for the more efficient and economical distribution of foodstuffs, is included in this report. A number of addresses by prominent speakers are given, also the minutes of the business meetings and reports of committees.

Proceedings of third annual convention. Dedham, Mass. The Transcript Press, Incorporated. 1921. 57 pp.

The proceedings of the third annual convention, held in Chicago, November 28–29, 1921, contains a report of the official business meeting, seven of the leading speeches, and reports of nine standing committees.

National Conference on Markets and Farm Credits, First. (*See* Conference on Markets and Farm Credits.)

Nebraska Department of Agriculture, Bureau of Markets and Marketing.

Cooperative associations: A survey of the cooperative associations in Nebraska for the year 1919. Lincoln. Nebr. Dept. Agr. Bul. 108. 16 pp.

The results of a survey are given, with tabulations and discussion of the data secured, also a summary of the conclusions reached.

Cooperative associations: A survey of the cooperative associations in Nebraska for the year 1920. Lincoln. Nebr. Dept. Agr. Bul. 109. 22 pp.

This bulletin gives the results of a survey and compares the data with those secured in the previous year. Various tables are given.

Successful cooperation: An analysis of successful cooperative companies in Nebraska. Lincoln. Nebr. Dept. Agr. Bul. 111. 20 pp., illus.

The information on which this bulletin is based was secured through reports and personal visits. The relation between certain causes and results is pointed out, and suggestions are made for the successful conduct of cooperative business.

New York State Department of Agriculture.

Manual on cooperation. Albany. N. Y. Dept. Agr. 1914. 128 pp.

Included in this manual the reader will find "A primer of cooperation" in which salient facts are tersely stated; short articles describing three successful cooperative associations, two of which are stores and one a fruit exchange; also an article on cooperation in Europe by two members of the American Commission to Study and Investigate Rural Cooperation and Credit in European Countries.

Proceedings of the First Annual Conference of Cooperative Associations. Albany. J. B. Lyon Co. 1914. 125 pp., illus.

A meeting of representatives of 47 associations, held in Utica, N. Y., July 22–23, 1914, is here reported. Addresses, general discussion of plans and purposes, round-table meetings, and reports of the work of the assembled associations, are included.

Nicholson, Isa.

Our story: The cooperative movement. Manchester. Cooperative Union, Ltd. 1919. 80 pp., illus.

The writer tells of the time and life of Robert Owen, of the early struggles of the Rochdale pioneers, of the trials, failures, and successes of various cooperative societies, and of the present status of the movement, with details regarding the cooperative wholesale societies of England and Scotland.

Nourse, Edwin Griswold, and Charles Wayne Hammans. *See also* Hammans, Charles Wayne.

Nourse, Edwin Griswold, Ames, Iowa. *b.* 1883. Professor agricultural economics and chief agricultural economics section, experiment station, Iowa State College. *Author:* Agricultural economics, 1916; Outlines of agricultural economics, 1917.

Cooperative live-stock shipping in Iowa in 1920. Ames. Iowa Agr. Exp. Sta. Bul. 200. 1921. 36 pp.

A survey of the associations of the State was made to determine the history of the movement, its magnitude, the business methods employed, the achievements, and the outlook for the future. The magnitude of the business proves its importance. Other factors are discussed somewhat in detail and many tables are included.

Nourse, Edwin Griswold, and Frank Robotka. *See* Robotka, Frank.

Organizing and operating cooperative live-stock shipping associations. Ames. Iowa State Coll. Ext. Service Bul. 85. 1921. 16 pp.

The cooperative live-stock shipping movement in Iowa described in this bulletin grew from one association in 1904 to 650 in 1920, shipping nearly 50,000 cars of stock a year. The extension service of the State college presents this circular for the guidance of others wishing to organize. The chief benefits of such associations are pointed out, and explicit directions are given for organization and management, including forms of constitution and by-laws and suggestions for managers and producers.

O'Brien, Cruise. *See* Smith-Gordon, Lionel Eldred Pottinger.

Panchananadas Mukherji, Calcutta, India. Professor of economics, Presidency College, Calcutta; assistant editor, Bengal Cooperative Journal. *Author:* Indian constitutional documents, 1773–1915. *Editor:* Indian Citizen series.

The cooperative movement in India. Calcutta. Thacker, Spink & Co. (2d ed.) 1917. 453 pp.

A survey of the cooperative movement in India from its earliest stages, showing its phenomonal growth and its great possibilities. The features peculiar to Indian societies are explained and model by-laws for different kinds of societies are given, as are also the cooperative societies acts of 1904 and of 1912.

Pearson, Raymond Allen, Ames, Iowa. *b.* 1873. President, Iowa State College since 1912. Assistant chief, Dairy Division, U. S. Department of Agriculture, 1895–1902; commissioner of agriculture, New York State, 1908–1912; Assistant Secretary U. S. Department of Agriculture, 1917–18.

Agricultural organizations in European countries. Albany. N. Y. State Dept. Agr. Bul. 66. 1914. 187 pp., illus.

A report of an investigation of agricultural organizations in Europe, authorized by the New York State Department of Agriculture. Doctor Pearson tells of his visits to 15 countries and describes the outstanding features of certain associations in each country. Many illustrations accompany the text.

Perky, Cheves West. . . . In 1916–17 secretary of the Cooperative League of America. Made an extensive survey of cooperative societies for Intercollegiate Socialist Society.

Cooperation in the United States. New York. The Cooperative Press. 1917. 31 pp.

A brief outline of various cooperative enterprises in the United States, from a socialistic point of view, is given in this pamphlet.

Peters, Edward Thomas, Chevy Chase, Md. *b.* 1835. Retired. Agent, foreign statistical agent, and clerk, U. S. Department of Agriculture, 1883–1920, spending two years in Europe.

Cooperative credit associations in certain European countries, and their relation to agricultural interests. U. S. Dept. Agr. Bu. of Statistics, Misc. ser., Report No. 3. 1892. 117 pp.

This report covers an exhaustive study of early credit associations, including the conditions which led to their formation, their purposes, accomplishments, and influence. The subject is discussed under the following headings: German credit unions, Raffeisen loan associations, People's banks of Austria-Hungary, Cooperative banking in Italy, Cooperative banks in Russia. Myron T. Herrick states that Mr. Peters was "almost the only person who appears to have had the right idea as to the course to pursue in this disastrous first attempt to finance the farmers of the United States on a large scale."

Phillips, Harold Deane, Albany, N. Y. *b.* 1888. Director, New York State Bureau of Markets and Storage.

Cooperative marketing in the Chautauqua-Erie grape industry. Ithaca. Cornell Univ. Agr. Exp. Sta. Memoir 28. 1919. 94 pp., illus.

The peculiar difficulties connected with the marketing of grapes in this section are outlined, and the history is given of several attempts at cooperative marketing. In spite of many defects and failures these organizations have aided in bringing a considerable measure of relief to the grape growers. Several suggestions for improvement of marketing methods are made. The bulletin is illustrated with full-page half tones of vineyards and packing scenes.

Plunkett, *Sir* Horace Curzon, Dublin, Ireland. *b.* 1854. Promoter of agricultural cooperation since 1889; cattle rancher in the United States 10 years; founder of Irish Agricultural Organization Society, 1894; member Parliament, Dublin County, 1892–1900; vice president, Department of Agriculture and Technical Instruction for Ireland, 1899–1907. *Author:* Ireland in the new century, 1904; Noblesse oblige, an Irish rendering, 1908; etc.

Ireland in the new century. London. John Murray. 3d ed. 1905. 340 pp.

The Irish question is surveyed from its historical, political, and religious sides, in an attempt to focus thought upon definite work leading to reconstruction of Irish life. The story is told of the cooperative movement in Ireland, beginning in 1889, founded upon the principle of self-help and aided by the establishment of a governmental department, resulting in a gratifying situation with a hopeful outlook for the future welfare of the country.

Plunkett, *Sir* **Horace Curzon**—Continued.

The rural life problem of the United States. New York. Macmillan Co. 1913. 174 pp.

With a point of view derived from many years of Irish and American experience the author points out that the reconstruction of rural life in the United States is essential to the progress of western civilization; that rural life development has not kept up with urban development because of lack of organization in business methods. He shows the urgent need for reorganization of American agriculture along cooperative lines, with due importance given to the social influence of the cooperative idea. Rural education must be adapted to provide scientific teaching and also an intimacy with and appreciation of nature, all helping to bring about "Better farming, better business, and better living," of which better business must come first.

Poe, Clarence, Raleigh, N. C. *b.* 1881. Editor, Progressive Farmer 1899– , and president Progressive Farmer Co. since 1903; member, North Carolina State Board of Agriculture; studied agricultural cooperation in Europe, 1912. *Author:* A Southerner in Europe, 1908; Where half the world is waking up, 1911.

How farmers cooperate and double profits. New York. Orange Judd Co. 1915. 244 pp.

This volume "is intended as a guidebook to business cooperation among farmers." The author contends that the farmer must assume complete control of his business and must learn economy of production and economy of distribution. A number of highly successful associations in this country are described to illustrate the argument. The results of cooperative enterprises in Ireland, France, and Denmark are detailed. The appendix includes suggested forms for constitutions and by-laws.

Powell, George Harold. *b.* 1872; *d.* 1922. General manager, California Fruit Growers' Exchange, 1911–1922; pomologist in charge transportation and storage investigations, U. S. Department of Agriculture, 1904–1909; assistant chief, Bureau of Plant Industry, U. S. Department of Agriculture, 1909–1911.

Cooperation in agriculture. New York. Macmillan Co. 1913. 327 pp., illus.

A full discussion by a well-known authority of the principles involved in successful cooperation among farmers of the United States. Suggestions are made for the organization, financing, and management of associations for handling various types of crops, and for the application of cooperative principles to rural credit and other lines of effort. A bibliography is included.

Cooperation in the handling and marketing of fruit. U. S. Dept. Agr. Yearbook. 1910. 18 pp.

Mr. Powell discusses cooperation in the West and in the East, the fundamental principles of cooperation, causes of failures, the organization and management of an association, and related problems, concluding with an outline of the exchange system of the California Fruit Growers' Exchange.

Fundamental principles of cooperation in agriculture. Berkeley. Calif. Exp. Sta. Circ. 222. 1920. 24 pp.

A clear and concise statement of fundamental principles.

Pratt, Edwin A. . . . *Author:* American railways, 1903; British railways and the Great War, 1921; Canals and traders, 1910; The case against railway nationalization, 1913, etc.

Agricultural organisation. London. P. S. King & Son. 1912. 259 pp.

Pratt, Edwin A.—Continued.

That agriculture is still the greatest industry of the United Kingdom and, therefore, deserves great consideration and encouragement is demonstrated. The rise and development of agricultural organization, first for production and then for business, is traced, details being given for certain typical countries. The evolution of the movement in England, its difficulties through the pioneering stage, and the present hopeful outlook under newly granted state recognition are depicted.

The organisation of agriculture. London. John Murray. 1904. 403 pp.

The movement in favor of agricultural organization in the various countries is surveyed, showing how the cooperative spirit has roused the classes which had been regarded as the most hopeless victims of dull routine and narrow-minded individualism, to take common action for common advantage. The issues between British railroads and agriculture are analyzed and the railroads commended for their friendly attitude toward agriculture. Self-help and mutual aid are recommended for agriculture rather than state aid.

Traders, farmers, and agricultural organisation: An inquiry into an alleged conflict of interests. London. P. S. King & Son. 1912. 31 pp.

The author presents an argument that organization is indispensable to British agriculture; that direct dealings between groups of consumers and producers will advance the legitimate interests of both while doing away with unnecessary middlemen; and that the state is justified in extending abundant support to the movement for organization.

Preliminary Report on Land and Agricultural Credit in Europe, including the letter of President Taft to the governors of the States and the recommendations of Ambassador Myron T. Herrick in connection with the proposal of President Taft to introduce cooperative credit into the United States. (*See* Herrick. Myron T.) U. S. Congress, 62d Cong., 3d sess., 1912. Senate Doc. 967. 32 pp.

This report is a brief and concise account of European land and credit facilities, with suggestions regarding the applicability to American conditions of systems in use in other countries.

Price, Hugh Bruce. Assistant professor, agricultural economics, University of Minnesota; field agent in marketing, and agent in city marketing, U. S. Department of Agriculture. 1910–1922 *See also*, Durand, Edward Dana.

Producer, The, with which is incorporated **The Consumer.** Manchester, England.

Organ of the Cooperative Wholesale Society, Limited. Illustrated. Contains information regarding English and other societies, general news, and discussion.

Randall, Daniel Richard, Baltimore, Md. *b.* 1864. Lawyer; postmaster of Annapolis, 1900–1904; director, Farmers' National Bank.

Cooperation in Maryland and the South. *In* History of cooperation in the United States. Baltimore. Johns Hopkins Univ. Studies in Historical and political science. Vol. VI. 1888. pp. 483–528. *See* Bemis, Edward Webster, et al.

This historical study is confined largely to the States of Maryland and Texas as the only Southern States where cooperation had taken root in 1888. The survey revealed several cooperative manufacturing societies, a number of distributive societies, many building and loan and relief associations. A chapter on profit sharing is added.

Ray, Robert Jackson, Olivet, Mich. *b.* 1883. Professor economics and business administration, Olivet College, 1915– ; also dean 1918– ; professor of economics, Keio University, Tokyo, Japan, 1911–1914.

Ray, Robert Jackson—Continued.

The cooperative grangers of Johnson County, Kansas. Lawrence. The World Co. 1909. 19 pp.

A cooperative store which has carried on a successful business for 32 years is something of a rarity in the United States and, therefore, its history and the statement of its principles and policies are of interest. The joint-stock bank and the mutual insurance company organized and carried on by the same group of grangers are also described. The appendix contains a table showing the sales, expenses, and gross and net profits of the Johnson County Cooperative Association, by quarters, from 1876 to 1908.

Redfern, Percy. . . . *Editor:* The Wheatsheaf. *Author:* The consumers' place in society, 1920.

History of the C. W. S.: Being the jubilee history of the Cooperative Wholesale Society, Limited, 1863–1913. Manchester. Cooperative Wholesale Society, Limited. 1913. 439 pp., illus.

This volume is more than a formal record of events; it is also a history of principles "viewed in relation to the larger world that environed their development." A bibliographical index is added, giving a few lines in regard to each of the men who aided in building up the Cooperative Wholesale Society.

Robinson, Leonard George. *See also* Ham, Arthur Harold.

Robinson, Leonard George, New York, N. Y. *b.* 1877. President, Cosmopolitan Bank, New York, since 1919; general manager, Jewish Agricultural and Industrial Aid Society, 1907–1917; president, Federal Land Bank, first district, 1917–1919; founder of pioneer cooperative credit associations in America. *Author:* Agricultural activities of the Jews in America.

Robotka, Frank. *See* Black, John Donald; Durand, Edward Dana; Hibbard, Benjamin Horace; Nourse, Edwin Griswold.

Robotka, Frank, Ames, Iowa. *b.* 1889. Field agent in marketing, Iowa State College, 1921– ; field agent in market business practice, U. S. Department of Agriculture, 1917–1921.

Rothfeld, Otto, Bombay (?), India. Registrar, cooperative societies, Bombay Presidency. *Author:* Indian dust, 1910; With pen and rifle in Kishtwar, 1918; Women of India, 1920.

Impressions of the cooperative movement in France and Italy. Bombay. Government Central Press. 1920. 81 pp.

The writer was deputed by his government to make a study of the salient features of the cooperative systems of France and Italy for the guidance of the movement in the Bombay Presidency. In this report special attention is given to general principles and to a comprehension of the ideas underlying cooperative legislation and administration in the two countries, disregarding those features which are common to all cooperation, or at least to India with France and Italy.

Russell, Charles Edward, New York, N. Y. *b.* 1860. Candidate for governor of New York on Socialist ticket, 1910, 1912. Appointed by President Wilson on commission to Russia, 1917. *Author:* Bolshevism and the United States, 1919; Lawless wealth, 1908; The passing show of capitalism, 1912; Stories of the great railroads, 1912; Why I am a Socialist, 1910, etc.

The story of the Nonpartisan League. New York. Harper & Brothers. 1920. 333 pp., illus.

Russell, Charles Edward—Continued.

How the Nonpartisan League was organized in self-defense by the farmers of North Dakota is related in this book. The chief interest to the student of cooperation centers in the facts and figures given regarding grain-marketing methods practiced in the Northwest.

Russell, George William (AE), Dublin, Ireland. *b.* 1867. *Editor:* The Irish Homestead. *Author:* Some Irish essays, 1906; The candle of vision, 1918; The economics of Ireland and the policy of the British Government, 1920, etc.

Cooperation and nationality: A guide for rural reformers from this to the next generation. Dublin. Maunsel & Co., Ltd. 1912. 104 pp.

The brilliant editor of the Irish Homestead endeavors in this little volume to give "some account of the true significance of a movement which is little understood for all of its notoriety." This book is an exposition of the theory of cooperation, with emphasis on the value of self-help and high ideals, written for "those who are working at laying deep the foundations of a new social order, to hearten them with some thought of what their labor may bring to Ireland." The concluding chapter contains a parable concerning the Children of the House and the Children of the Fields.

Russell Sage Foundation Library.

Cooperation: A selected bibliography. New York. Russell Sage Foundation. Bul. 48. 1921. 4 pp.

The student will find this a valuable bibliography.

Sanborn, Albert Whittamore. . . . *b.* 1853. In 1909–10 chairman of special commission on industrial insurance, Wisconsin Legislature.

Cooperation among farmers, especially in marketing. Madison. Wis. State Board of Agr. Bul. 2. 1913. 16 pp.

An address delivered before the annual convention of the Wisconsin State Board of Agriculture, February, 1913. Farming is considered as a business, and the necessity is shown for more attention to the sales division of the business. What cooperation has done for Denmark and Ireland is cited and a plan presented for organization in the United States. The limitations as well as the possibilities of cooperative effort are pointed out.

Sapiro, Aaron, New York, N. Y., and San Francisco, Calif. Attorney for a large number of cooperative marketing associations. "A pioneer in marketing work in the South."

Cooperative marketing. Chicago. American Farm Bureau Federation. No. 4. 1920. 31 pp.

An address delivered before the cooperative marketing conference called by the American Farm Bureau Federation in Chicago, July 23–24, 1920. Mr. Sapiro discusses general principles of cooperation, tells what some California associations have accomplished, and outlines a plan for the marketing of grain in the United States.

Cooperative marketing. Raleigh. N. C. Agr. Ext. Service. Ext. Circ. 110. 1921.

An address delivered by Mr. Sapiro at Danville, May 14, 1921. The story of the raisin growers of California is told, why and how they organized, and the results. The principles of California cooperatives are explained, and some remarks on warehousing tobacco are given.

Scottish Cooperator, The. Tradeston, Glasgow, Scotland.

Published weekly by the National Cooperative Publishing Society. Organ of the Scottish Cooperative Wholesale Society. Contains news, notes and comments, and general discussion.

Shaw, Albert. *See also* Bemis, Edward Webster, et al.

Shaw, Albert, New York, N. Y. *b.* 1857. Founder and editor of American Review of Reviews. *Author:* Icaria: A chapter in the history of communism, 1884; Municipal Government in Great Britain, 1894.

Cooperation in the Northwest. *In* History of cooperation in the United States. Baltimore. Johns Hopkins Univ. Studies in historical and political science. Vol. VI. 1888. pp. 193–359.

Numerous cooperative enterprises, very few of which are agricultural, are described in this historical study. The discussion of the granger movement and its influence is of particular value.

Sherlock, Chesla C., Des Moines, Iowa. *b.* 1895. Coeditor, Iowa Homestead; associate editor, Wisconsin Farmer, Kansas Homestead, Missouri Farmer. *Author:* Vest-pocket lawyer, know your compensation liability; The modern farm series, etc.

The modern farm cooperative movement. Des Moines. The Homestead Co. 1922. 377 pp.

Cooperation is viewed by the writer not as a new movement but as "one of the old things appearing new to a great many people." Earlier efforts along the same line are cited, the affairs of various outstanding groups of the present day are discussed, and the possibilities for the future considered.

Shinn, Charles Howard. *See also* Bemis, Edward Webster, et al.

Shinn, Charles Howard, North Fork, Calif. *b.* 1852. Forest examiner, district 5, 1911– ; head forest ranger, Department of the Interior, 1902, assigned to Sierra National Forest; conducts department of comments on people, events, and publications in Fresno Morning Republican. *Author:* Pacific rural hand book, 1879; Land laws of mining districts, 1884.

Cooperation on the Pacific coast. *In* History of cooperation in the United States. Baltimore. Johns Hopkins Univ. Studies in historical and political science. Vol. VI. 1888. pp. 443–481.

Writing at a time when cooperation was new in that section, the author tells of a number of experiments, including two cooperative communities and several industrial societies, also giving a few pages to cooperation among the Chinese.

Sinclair, John F. . . .

Report on cooperation and marketing. Parts I to IV. Madison. Wis. State Board of Public Affairs. 1912.

The author states the purpose of this report to be "to show the farmers of Wisconsin the possibilities of agricultural cooperation and the dangers to be guarded against." The report is presented in four parts as follows:

Part I. Agricultural cooperation. 132 pp.
Part II. Cooperative credit. 27 pp.
Part III. Municipal markets. 59 pp.
Part IV. Distributive or store cooperation. 40 pp.
The material given is largely descriptive and historical.

Smith, Guy Carlton, Chicago, Ill. *b.* 1881. Economist, commercial research department, Swift & Co. 1921– ; associate professor of economics, New Hampshire Agricultural and Mechanical College, 1911–1913; professor economics, Connecticut Agricultural College, 1916–1919; director, bureau of markets, Pennsylvania Department of Agriculture, 1919–20.

Farm mortgage credit in New Hampshire. Durham. N. H. College. Arts and Research Bul. 2. 1916. 12 pp.

A study made to determine under what conditions New Hampshire farmers were able to secure credit. The information is summarized and the text is illustrated with graphic maps.

Smith, Guy Carlton—Continued.

A plan for short-term farm loans in Connecticut. Storrs. Conn. Agr. Coll. Ext. Service Bul. 10. 1917. 8 pp.

A plan to put farmers on the same basis as other business men and to bring about more satisfactory relations between farmers and bankers, is outlined. A copy of the "Agricultural credit statement" is given in full and the five cardinal principles of credit are stressed, including the importance of farm accounts and of a bank account.

Smith, Herbert G., Dublin (?), Ireland. Member of the staff, Department of Agriculture and Technical Instruction for Ireland.

The best methods for agricultural cooperation and credit. Dublin. Dept. Agr. and Tech. Instruction. Bul. 6, Misc. Series. 1903. 102 pp.

This essay was awarded the Cobden Club medal and prize of £20 in 1901 as the best treatise on the subject. The author declares its purpose to be "to describe, as concisely as possible, what experience has shown to be the most successful methods of organizing cooperation among agriculturists and of developing and supplying credit suitable for their peculiar needs." The methods and systems employed in the leading countries are discussed under the headings of "Cooperation in agriculture" and "Cooperation in credit."

Smith-Gordon, Lionel Eldred Pottinger, Dublin, Ireland. *b.* 1889. Manager, National Land Bank, Ltd., Dublin; formerly librarian, Cooperative Reference Library, and assistant secretary, Irish Agricultural Organization Society; member from Canada of American Commission to Study and Investigate Rural Credit and Cooperation, 1913.

Cooperation for farmers. London. Williams & Norgate. 1918. 234 pp.

Stress is laid on the fundamental principles of cooperation, and reasons for the establishment of these principles are given. Varying conditions which have aided or hindered cooperation in the different countries are discussed, comparisons made and remedies suggested for some of the existing evils. Written from an English standpoint.

Smith-Gordon, Lionel Eldred Pottinger, and Cruise O'Brien. *See* O'Brien, Cruise.

Cooperation in Denmark. Manchester. Cooperative Union, Ltd. 1919. 74 pp.

How the Danish people, driven by necessity, through self-help and state encouragement, have become the best organized nation of producers and consumers, is related.

Cooperation in Ireland. Manchester. Cooperative Union, Ltd. 1921. 92 pp.

A condensed yet comprehensive history of the cooperative movement in Ireland from the early days up to 1919. The almost insuperable difficulties encountered and the courage and persistence of the leaders are depicted.

Cooperation in many lands. Manchester. Cooperative Union, Ltd. 1919. 272 pp.

"An introduction to the study of cooperation the world over." The theories of cooperation between producers and consumers are analyzed and shown to be reconcilable by means of an overhead wholesale society. A systematic classification is worked out in order that clear thinking may be less difficult, and the leading features of some of the types are sketched. The necessity for education in the "human gospel of cooperation" is urged in order that people may catch the spirit and inspiration of the movement. Economic, social, and educational policies are discussed.

Smith-Gordon, Lionel Eldred Pottinger, and Laurence C. Staples. *See* Staples, Laurence C.

Rural reconstruction in Ireland. London. P. S. King & Son, Ltd. 1917. 279 pp.

A narrative of the beginnings and growth of cooperation in Ireland well illustrating the saying that "Ireland had to be coaxed into cooperation." The poverty and backwardness of the country and the chaotic state of business called for a different type of cooperation from that employed in other countries and a new policy had to be worked out to meet Irish conditions. Due credit is given Sir Horace Plunkett for inspiring and starting, in spite of almost insurmountable obstacles, the cooperative movement which is bringing a measure of prosperity and comfort to the country. Much remains to be done, but the future holds "the promise of more real unity among Irish people than has before seemed possible."

Sonnichsen, Albert, Willimantic, Conn. *b.* 1878. Formerly secretary, Cooperative League of America; correspondent New York Evening Post in Bulgaria, 1904–1906; in field with Macedonian revolutionists in Turkey, 1906. Editor, The Home Cooperator. *Author:* Ten months a captive among Filipinos, 1901; Deep sea vagabonds, 1903; Confessions of a Macedonian bandit, 1909.

Consumers' cooperation. New York. Macmillan Co. 1919. 223 pp.

A broad outline of the significant events in the early development and recent growth of consumers' cooperation, with an argument that the movement may become a most important factor in social and economic reconstruction, that it is "the alternative to revolutionary and political socialism." The author makes a sharp distinction between organizations of consumers for the production and supply of goods for members and agricultural cooperative associations formed to sell their products according to present methods, which he considers capitalistic.

Staples, Laurence C. . . . *See* Smith-Gordon, Lionel Eldred Pottinger.

Stewart, Charles Leslie, Washington, D. C. *b.* 1890. Associate agricultural economist, U. S. Department of Agriculture, 1921– ; professor of economics, University of Arkansas, 1918–1921.

An analysis of rural banking conditions in Illinois. Urbana. 1914. 38 pp.

At the request of the committee on agriculture of the Illinois Bankers' Association an analysis of banking conditions in the State was made in 1913. The information, collected by means of questionnaires, is here summarized and presented. A number of graphic maps illustrate the text.

Taeusch, C. F. . . .

Rural cooperation and cooperative marketing in Ohio, 1913. Wooster. Ohio Agr. Exp. Sta. Circ. 141. 1913. 39 pp.

A survey of agricultural conditions in Ohio, made for the purpose of aiding in the more effective direction of the work of the experiment station. Failures as well as successes in cooperative effort are analyzed in order to determine the underlying factors which make for success.

Taylor, Henry Charles, Washington, D. C. *b.* 1873. Chief, Bureau of Agricultural Economics, U. S. Department of Agriculture, 1921– ; instructor and professor of economics, University of Wisconsin, 1901–1919; chief, Office of Farm Management, U. S. Department of Agriculture, 1919–1921.

Agricultural economics. New York. Macmillan Co. 1919. 439 pp.

Three chapters of this treatise fall within the scope of this bibliography. Chapter 16 is a discussion of farm credit and the rate of interest. The need for farm credit and the most advantageous methods of securing it are pointed out, as shown by experience in this and other countries. Chapters 26 and 27 present the subjects of "marketing farm products," and "the farmer and the middleman." Special consideration is given to an analysis of the service performed by middlemen, also to the question of cooperative marketing. Definite recommendations are made.

Thackston, T. B. . . .

Agricultural cooperation in Germany and Ireland. Spartanburg, S. C. Band & White. 1913. 71 pp.

The author was a member from South Carolina of the American Commission to Investigate and Study Agricultural Credit and Cooperation in Europe in 1913, and this little book is his "contribution to the cause of better farming in the United States and to a happier rural life and a higher rural civilization." The history and forms of cooperative enterprises in Germany and Ireland are outlined in the belief that the forms used in those countries could, with some slight modifications, be used in South Carolina.

Thompson, Carl William. *b.* 1879; *d.* 1920. Specialist in rural organization, and in charge Division of Cooperative Marketing, U. S. Department of Agriculture, 1913–1920; professor economics, South Dakota University, 1905–1910; professor economics, University of Minnesota, 1911–1913.

Costs and sources of farm mortgage loans in the United States. U. S. Dept. Agr. Bul. 384. 1916. 16 pp.

The results of a study made to determine the interest rates on farm mortgage loans in the different sections of the country, and the sources from which such loans were derived, are included in this bulletin. The information is presented from various angles by means of tables and charts. The need for improved facilities is made clear.

Factors affecting interest rates and other charges on short-time farm loans. U. S. Dept. Agr. Bul. 409. 1916. 12 pp.

This is a continuation of the study outlined in bulletin 384, "Costs and sources of farm-mortgage loans in the United States." The reasons for the wide variations in interest rates on short-time loans in different parts of the country are discussed and special attention is given to "those causes of variation which can be modified by individual or collective action."

How farmers may improve their personal credit. U. S. Dept. Agr. Farmers' Bul. 654. 1915. 14 pp.

Two general plans are given for improving credit conditions through cooperative methods. The first is that of temporary agreements with existing loan agencies, the agreements to terminate with the payment of the loans; the other is that of permanent articles of agreement between the farmers themselves or "cooperative credit associations." Sample forms are given, also other information.

How the Federal farm loan act benefits the farmer. U. S. Dept. of Agr. Farmers' Bul. 792. 1917. 12 pp.

The provisions of the Federal farm loan act are clearly interpreted.

Trenckmann, W. . . .

Cooperative agricultural credit. *In* Studies in agricultural economics. Austin. Univ. of Tex. Bul. 298. Gen. ser., No. 33. 1913. pp. 16–35.

A study of the Raffeisen credit unions and the "landschaften" of Germany and their adaptability to Texas conditions. Each type of association is defined and described and its features discussed pro and con.

Truesdell, Leon Edgar, and Carl William Thompson. *See also* Thompson, Carl William.

Truesdell, Leon Edgar, Washington, D. C. *b.* 1880. Expert special agent, division of agriculture, Bureau of the Census; formerly field assistant in rural organization, U. S. Department of Agriculture.

Amortization methods for farm mortgage loans. U. S. Dept. Agr. Office of the Secretary, Circ. 60. 1916. 12 pp.

Several methods of amortization are clearly explained with numerous illustrative tables.

Tufts, James Hayden, Chicago, Ill. *b.* 1862. Professor of philosophy and head of department, University of Chicago. *Author:* Ethics, 1908 (with John Dewey); Our democracy, 1917; The real business of living, 1918.

The ethics of cooperation. Boston and New York. Houghton Mifflin Co. 1918. 73 pp.

A clarifying discussion of general principles.

Turner, Howard Alfred. *See also* Gray, Lewis Cecil.

Turner, Howard Alfred, Washington, D. C. *b.* 1889. Junior agricultural economist, U. S. Department of Agriculture.

Union of the Siberian creameries and other cooperative associations. Compiled by the section of economical statistics of the board of the Union of Siberian Creamery Associations. (Translated from the Russian.) Boston. Blanchard Printing Co. 1919. 80 pp., illus.

This oldest and greatest purely peasant organization publishes this book "to acquaint the interested business people of the United States, Canada, and England with western Siberia, and to supply a short description of the people's cooperative organization," in an effort to establish commercial relations. A description of the country is given, together with a brief history of the union and its work, and a statement of its affairs on September 1, 1918, when it comprised 3,795 associations.

United States Commission to Investigate and Study in European Countries Cooperative Land Mortgage Banks, Cooperative Rural Credit Unions, and Similar Organizations and Institutions.

Report of United States Commission. Parts I and II. Land mortgage or long-term credit. U. S. Congress, 63d Cong., 2d sess. Senate Doc. 380. 1913. 73 pp.

This report analyzes the long-term credit systems of European countries, showing the features which may be applied to American conditions, and recommends legislation. Text of a bill to establish farm-land banks is included and its features are discussed in detail.

Report of United States Commission. Part III. Personal or short-term credit. U. S. Congress, 63d Cong., 2d sess. Senate Doc. 380, Part III. 1914. 32 pp.

A study of the people's banks and the rural-credit unions of several European countries, showing how credit needs of different classes have been met. Conditions in the United States are reviewed and recommendations are made for their improvement.

U. S. Congress. Joint Commission of Agricultural Inquiry.

Report of Joint Commission of Agricultural Inquiry. In four parts. U. S. Congress, 67th Cong., 1st sess. Report 408. 1921.

The subjects which this commission was directed to investigate were: (1) The present conditions of agriculture; (2) the cause of the difference between the prices of agricultural products paid to the producer and the ultimate cost to the consumer; (3) the comparative condition of industries other than agriculture; (4) the relation of prices of commodities other than agricultural products to such products; (5) the banking and financial resources and credits of the country, especially as affecting agricultural credits; (6) the marketing and transportation facilities of the country. The comprehensive and valuable report prepared is presented in four parts as follows:

Part I. The agricultural crisis and its causes. 240 pp.
Part II. Credit. 159 pp.
Part III. Transportation. 686 pp.
Part IV. Marketing and distribution. 266 pp.

Each part has its summary and recommendations. Numerous charts and tables are inserted in the text.

U. S. Congress. Joint Committee on Rural Credits.

Report of Joint Committee on Rural Credits. U. S. Congress, 64th Cong., 1st sess. H. R. Doc. 494. 1916. 39 pp.

This report of the joint committee is accompanied by a draft of a proposed bill on land-mortgage loans to be known as "The Federal farm loan act," with explanation of some of the salient features.

U. S. Congress. Senate. Committee on Banking and Currency.

Joint hearings before the subcommittee of the Committee on Banking and Currency of the Senate and House of Representatives charged with the investigation of rural credits. U. S. Congress, 63d Cong., 2d sess. 1914. 971 pp.

These hearings cover the testimony of 38 witnesses summoned from various occupations and from all parts of the country to furnish information needed by the committee. Material of interest and value is to be found in this volume.

U. S. Congress. Senate. Committee on the Judiciary.

Hearings before a subcommittee of the Committee on the Judiciary, on H. R. 2373, a bill to authorize association of producers of agricultural products, June 2, 7, 9, 10, 11, and 20, 1921. U. S. Congress, 67th Cong., 1st sess. 1921. 207 pp.

These hearings, which preceded the enactment of the Capper-Volstead Act, deal especially with the affairs of the California Associated Raisin Co. and the National Milk Producers' Association, and contain discussions of marketing practices and policies.

United States President (Taft).

Cooperation and cost of living in certain foreign countries. Messages of the President of the United States transmitting data. March 13, 1912. U. S. Cong., 63d Cong., 2d sess. H. R. Doc. 617. 248 pp.

An analysis of reports of consular officers on cooperative societies and similar associations in the United States. (Compiled by the Bureau of Trade Relations, Department of State.)

Cooperation and cost of living in certain foreign countries. Message of the President of the United States transmitting data. Supplement. May 6, 1912. U. S. Cong., 62d Cong., 2d sess. H. R. Doc. 736. 1913. 80 pp.

These data cover an analysis of reports of consular officers on cooperative societies and similar associations in France, Belgium, Denmark, and the Netherlands. (Compiled by the Bureau of Trade Relations, Department of State.)

Cooperation and the cost of living. Message of the President of the United States transmitting data. Supplement. June 14, 1912. U. S. Congress, 62d Cong., 2d sess. H. R. Doc. 833. 1913. 112 pp.

These data cover an analysis of reports of consular officers on cooperative societies and similar associations in Germany and in certain other countries. (Complied by the Bureau of Trade Relations, Department of State.)

Valgren, Victor Nelson, and Elmer Eugene Engelbert. *See* Engelbert, Elmer Eugene.

Valgren, Victor Nelson, Washington, D. C. *b.* 1876. Associate agricultural economist, U. S. Department of Agriculture, 1920– ; investigator in agricultural insurance, U. S. Department of Agriculture, 1915–1920.

Bank loans to farmers on personal and collateral security. U. S. Dept. Agr. Bull. 1048. 1922. 26 pp.

As the commercial banks of the country are the most important single source of personal and collateral credit to farmers, an inquiry was made among these banks to determine the amounts of loans, seasonal fluctuations, rates of interest, nature of security, and other factors. The results of the study are summarized and interpreted in this bulletin.

Valgren, Victor Nelson, and Elmer Eugene Engelbert—Continued.

The credit association as an agency for rural short-time credit. U. S. Dept. Agr. Circ. 197. 1921. 24 pp.

The need for short-time credit is discussed, also the nature of credit associations and their development in America, particularly in North Carolina, where they are distinctly rural. The affairs of the North Carolina rural credit unions are presented in some detail. Existing laws providing for credit unions in various States are compared and a suggested State law is given.

Farm mortgage loans by banks, insurance companies, and other agencies. U. S. Dept. Agr. Bul. 1047. 1921. 23 pp.

A summary of a study made "to ascertain the amount of farm credit available from various sources, the cost of such credit to the farmer, the term for which loans are available, and the methods of repayment provided for." The information is given largely by means of tables.

Venakatasubbaiya, V., and Vaikunth L. Mehta. *See* Mehta, Vaikunth L.

Venakatasubbaiya, V. . . . Member of the Servants of India Society.

The cooperative movement. Poona City. Aryabhushan Press. Budwar Peth. 1918. 191 pp.

The first writer sketches briefly the story of cooperation in the countries of Europe, finding Ireland's condition nearest like India's, and relates how the great need for credit in India was relieved in part by the formation of 23,000 credit societies with more than a million members in 13 years after the enactment of the cooperative societies act of 1904. The second writer classifies and describes the societies, analyzes their organization and business, and discusses state aid and control.

Warbasse, Agnes D. (Mrs. J. P.), Brooklyn, N. Y. *b.* 1879. Educational secretary, Cooperative League of America. Traveled in nine European countries studying cooperation. *Author:* Articles in magazines in the United States and Europe.

The story of cooperation. New York. Cooperative League of America. 3d revised ed. 1921. 24 pp.

A concise history of the development of cooperation in the different countries, with a few paragraphs on internationalism.

Warbasse, James Peter, Brooklyn, N. Y. *b.* 1876. President, Cooperative League of America. Surgeon, Brooklyn hospitals, 1889–1919. Editor, New York State Journal of Medicine, American Journal of Surgery. Retired from surgery in 1919 to devote his time to cooperative movement. Editor, Cooperation. *Author:* Doctors of Samuel Johnson and his court, 1908; Medical sociology, 1909; The conquest of disease, 1910; Surgical treatment, 3 vols., 1919.

The cooperative consumers' movement in the United States. New York. Cooperative League of America. 3d revised ed. 1920. 11 pp.

The beginnings and growth of consumers' cooperation in this country are briefly sketched.

Warman, William Howard. . . . Temporary captain, Tank Corps. Sometime scholar, Worcester College, Oxford. *Author:* The soldier colonists, 1918.

Agricultural cooperation in England and Wales. London. Williams & Norgate. 1922. 204 pp.

A discussion of agricultural organization in England and Wales for the encouragement of British farmers. It outlines the history of the early years, the postwar developments resulting from the campaign of the Agricultural Organisation Society, the present status and the prospects for the future, with an argument that agricultural cooperation can not result in monopoly. The distribution of the principal societies is shown by a graphic map.

Warner, Amos G. *See also* Bemis, Edward Webster, et al.

Warner, Amos G. *b.* 1861; *d.* 1900. Professor of applied economics, Leland Standford University, 1893–1900; economist, Department of Charities, Washington, D. C.; general agent Baltimore Charitable Organization Society. *Author:* American charities, 1894.

Three phases of cooperation in the West. *In* History of cooperation in the United States. Baltimore. Johns Hopkins Univ. Studies in historical and political science, Vol. VI. 1888. pp. 365–439.

Of the three headings of this essay, (1) Cooperation among farmers, (2) Cooperation among wage earners, and (3) Cooperation among Mormons, only the first comes within the scope of this study. This deals with grange stores and supply houses and cooperative creameries, showing the methods of operating, the causes of failures, and the residual benefits.

Watkins, Gordon S., Urbana, Ill. *b.* 1889. Associate professor of economics, University of Illinois.

Cooperation: A study in constructive economic reform. Urbana. Univ. of Ill. Bul., Vol. 18, No. 28. 1921. 85 pp.

According to the preface this is "a brief study of the development and contemporary status of the cooperative movement in various countries, especially in the United Kingdom and the United States." The study deals mainly with distributive societies but gives some attention also to marketing and credit. Many statistics are included, also considerable historical matter.

Webb, Beatrice Potter (Mrs. Sydney), London, Eng. *b.* 1858. Personally investigated social and industrial conditions; member Royal Committee on Poor Law and Unemployment, 1905–1909; honorable secretary of National Committee for Prevention of Destitution since 1909. *Author* (with her husband): History of trade unionism; Industrial democracy, etc.

The cooperative movement in Great Britain. London. Swan Sonnenschein & Co. 1891. 241 pp.

A comprehensive study of the history and growth of cooperation in Great Britain from its earliest beginnings up to 1891, with an analysis of the theories of the Christian socialists. The limitations and possibilities of a cooperative state are discussed.

Webb, Sydney, and Beatrice Potter. *See also* Webb, Beatrice Potter.

Webb, Sydney, London, Eng. *b.* 1859. Barrister. Professor of public administration, University of London; served on Royal Commission Trade Union Law, 1903–1906; and on departmental committees on Technological Institute at South Kensington, 1904–5, Agricultural Settlements and Immigration, 1905–6. *Author*: Socialism in England, 1890; The eight hours day, 1891; and many others.

The consumers' cooperative movement. London and New York. Longmans, Green & Co. 1921. 487 pp.

An up-to-date descriptive analysis of consumers' cooperation in Great Britain, its social and political significance, and its possibilities as a substitute for the capitalist system. Suggestions are offered for eliminating certain shortcomings and weaknesses of the movement. "By far the most complete and satisfactory statement yet made of what we understand by consumers' cooperation."

Wehrwein, George S. *See* Austin, C. B.

Mr. Wehrwein was lecturer, division of public welfare, department of extension, University of Texas, in 1913.

Weld, Louis Dwight Harvell, Chicago, Ill. *b.* 1882. Manager, commercial research department, Swift & Co., 1917– . Formerly professor of agricultural economics, University of Minnesota and Yale University.

Weld, Louis Dwight Harvell—Continued.

Cooperative marketing of grain in western Canada. St. Paul. Univ. of Minn. Studies in the social sciences, No. 4. Studies in the marketing of farm products. 1915. pp. 96–108.

Of the three large cooperative grain companies of western Canada, Doctor Weld says: "Taken together, these three companies constitute one of the most remarkable developments of cooperation among farmers of the world." The history of each of the companies is outlined with some details regarding the volume of business done, and the whole is pointed out as a "conspicuous object lesson" in united effort on a large scale.

Farmers' elevators in Minnesota. St. Paul. Univ. of Minn. Agr. Exp. Sta. Bul. 152. 1915. 24 pp.

A careful analysis of data secured regarding the affairs of farmers' elevators for 1912–13 and 1913–14, including history, organization, extent of business, finances, and business methods. Suggestions for organization are given, also by-laws and the text of the cooperative law of Minnesota.

The marketing of farm products. New York. Macmillan Co. 1916. 483 pp.

The student will find here a clear and comprehensive analysis of the methods and processes of marketing farm products and the functions of the agencies involved, by a well-known economist. Some weaknesses of the marketing system are pointed out and remedies suggested. One chapter is devoted to a discussion of cooperative marketing in its different phases.

Statistics of cooperation among farmers in Minnesota, 1913. St. Paul. Univ. of Minn. Agr. Exp. Sta. Bul. 146. 1914. 22 pp.

A statistical summary of the 2,013 cooperative associations in Minnesota, January, 1914, showing the volume of business done.

Wiprud, Arne Clarence, St. Paul, Minn. Vice president, Federal Land Bank, St. Paul; member Minnesota bar.

The Federal farm loan system in operation. New York. Harper & Brothers. 1921. 280 pp.

This book is an effort to acquaint the people with this great new system of agricultural credit "in its cooperative aspects." The history of the enactment of the Federal farm loan act is related; the work of the Farm Loan Board is outlined, also the organization and scope of the farm land banks and of the farm loan associations, as well as the progress made and the services rendered in improving economic conditions. The text of the Federal farm loan act, the decision of the Supreme Court as to its legality, and a bibliography on rural credits, are appended.

Wolff, Henry William, London, Eng. *b.* 1840. Founder of International Cooperative Alliance and president up to 1907; also one of founders of Agricultural Organisation Society; advised Indian government on introduction of cooperative credit. Called "cooperative credit's most brilliant writer and enthusiastic supporter," and "the greatest living English authority on cooperation."

Cooperation in agriculture. London. P. S. King & Son. 1914. 378 pp.

Largely an argument that English agriculture could and should take advantage of cooperative methods which have proved so helpful in other countries. One chapter is devoted to a clear-sighted discussion of general principles, while other chapters take up in detail plans and suggestions for carrying on specific lines of cooperative work.

Wolff, Henry William—Continued.

Cooperation in India. London. W. Thacker & Co. 1919. 352 pp.

The enactment of the cooperative societies act in 1904 is shown to have marked the turning point in the social and economic history of India. The author states that credit was a fundamental need of the agricultural people, and that the credit associations have proved their value as relief measures and in the teaching of thrift and brotherhood. "Never, unless, perhaps, in Russia . . . has cooperative seed been known to drop upon more fruitful soil and to ripen so rapidly into a rich harvest." Now that the foundations have been laid, education is of the highest importance in the development of the country.

Cooperative banking: Its principles and practice. London. P. S. King & Son. 1907. 301 pp.

The author declares his purpose in writing this book to be to deal "with the machinery rather than the results," accordingly the machinery adapted to cooperative banks in various countries under varying circumstances is discussed carefully, and incidentally some remarkable results are revealed. One chapter is given to cooperative-mortgage credit.

Cooperative credit banks. London. P. S. King & Son. 1898. 58 pp.

The subtitle of this pamphlet is "A help alike economic and educational for the labouring and cultivating classes." What has been accomplished in other countries is cited and used as the basis of an argument for the adoption of cooperative credit banks in England.

Cooperative credit for the United States. New York. Sturgis & Walton Co. 1917. 349 pp.

This well-known British authority on cooperative credit discusses the principles of credit for the guidance of the American people in establishing such a system. The work is mainly philosophical and the recommendations general rather than specific.

People's banks: A record of social and economic success. London. P. S. King & Son. 1919. 452 pp. (4th ed.)

This fourth edition of what has been called "the most complete book on the subject published in any language" tells of the remarkable progress the cooperative movement has made in every country in which it has been introduced, and how during the World War it exerted a peculiar influence in steadying business and "keeping the economic machine going." The methods and effects of this new and powerful force are described and Britain's great need for a credit system is shown.

Wood, Alfred. . . .

The cooperative secretary: A manual of cooperative administration. Manchester. Cooperative Union, Ltd., 1909. 640 pp., illus.

The author has endeavored to provide a complete guide for the secretary who may have to organize and direct the affairs of a cooperative association, and to make it cover every subject with which the secretary would have to deal. It is intended as "a reference book for the initiated and a textbook for the student."

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